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1909/10

BULLETIN

OF

THE UNIVERSITY OF TEXAS

No. 142

ISSUED SEMI-MONTHLY

Official Series, No. 43 March, 1910

ANNOUNCEMENT

OF THE

DEPARTMENT OF MEDICINE

GALVESTON

1909-1910

LIBRARY OF THE UNIVERSITY OF TEXAS

ENTERED AS SECOND-CLASS MAIL MATTER AT THE POSTOFFICE AT AUSTIN, TEXAS.

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Cultivated mind is the guardian genius of democracy. . . . It is the only dictator that freemen acknowledge and the only security that freemen desire.

President Mirabeau B. Lamar.

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1910

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BOARD OF REGENTS

T. S. Henderson, Chairman

G. W. Brackenridge.....San Antonio.
T. S. Henderson.....Cameron.
T. B. Greenwood.....Palestine.
W. T. Henry.....Dallas.
W. A. Johnson.....Memphis.
Hampson Gary.....Tyler.
A. W. Fly.....Galveston.
A. W. Terrell.....Austin.

E. J. Mathews, Secretary, Austin.

STANDING COMMITTEES

Auditing Committee: Greenwood, Chairman; Henry.

Committee on Buildings and Grounds: Terrell, Chairman; Brackenridge, Gary.

Committee on Complaints and Grievances: Henry, Chairman; Greenwood, Johnson.

Executive Committee: Henderson, Chairman; Terrell, Fly.

Finance Committee: Gary, Chairman; Greenwood, Henry.

Land Committee: Brackenridge, Chairman; Henry, Johnson.

Legislative Committee: Johnson, Chairman; Terrell, Henderson.

Committee on Medical Department: Fly, Chairman; Brackenridge, Gary.

The Board of Regents meets in Austin on the third Tuesdays of January and October and on the day preceding Commencement Day, and in Galveston in May on the day preceding that on which the graduating exercises of the Medical Department are held.

DEPARTMENT OF MEDICINE

FACULTIES

SIDNEY EDWARD MEZES, PH. D., *President.*

SCHOOL OF MEDICINE

JOHN FANNIN YOUNG PAINE, M. D.,
Professor of Obstetrics and Gynecology.

EDWARD RANDALL, M. D.,
Professor of Materia Medica and Therapeutics.

WILLIAM KEILLER, L. R. C. P. and S. (ED.), F. R. C. S. (ED.),
Professor of Anatomy.

JAMES EDWIN THOMPSON, M. B., B. S. (LOND.), F. R. C. S. (ENG.),
Professor of Surgery.

SETH MABRY MORRIS, B. S., M. D.,
Professor of Ophthalmology and Otology.

WILLIAM SPENCER CARTER, M. D.,
Professor of Physiology and Hygiene and Dean of the Faculty.

MARVIN LEE GRAVES, A. M., M. D.,
Professor of Medicine.

JAMES JOSHUA TERRILL, M. D.,
Professor of Pathology.

ARTHUR EVERETT AUSTIN, A. M., M. D.,
Professor of Chemistry and Toxicology.

GEORGE H. LEE, M. D.,
Professor-elect of Obstetrics and Gynecology.

HOWARD RUSH DUDGEON, M. D.,
Clinical Professor of Genito-urinary Diseases and Dermatology.

EDWARD RANDALL, M. D.,
Lecturer on Physical Diagnosis

RAOUL RENE DANIEL CLINE, B. S., A. M., PH. G., M. D.,
Lecturer on Pharmacy.

M. CHARLOTTE SCHAEFER, M. D.,
Lecturer and Demonstrator of Biology, Normal Histology and General Embryology.

MARVIN LEE GRAVES, A. M., M. D.,
Lecturer on Nervous and Mental Diseases.

DAVID H. LAWRENCE, PH. G., M. D.,
Lecturer on Medical Jurisprudence.

OSCAR H. PLANT, M. D.,
Lecturer on Dietetics and Demonstrator of Physiology and Pharmacodynamics.

JAMES GREENWOOD, JR., M. D.,
Lecturer on Pediatrics, Demonstrator of Clinical Medicine, and Instructor in Physical Diagnosis.

HOWARD RUSH DUDGEON, M. D.,
Demonstrator of Surgery.

H. O. SAPPINGTON, M. D.,
Lecturer and Demonstrator of Obstetrics and Gynecology.

WALTER T. GARBADE, B. S., PH. G.,
Demonstrator of Chemistry.

ALLEN GEORGE HEARD, M. D.,
Demonstrator of Clinical Medicine.

JOSEPH SCHOOLFIELD JONES, M. D.,
Demonstrator of Applied Anatomy.

HARRY O. KNIGHT, A. B., M. D.,
Demonstrator of Pathology and Bacteriology.

EMMETT E. CALLAWAY, M. D.,
Demonstrator of Anatomy.

MAY AGNESS HOPKINS, B. S.,
Fellow in Histology.

FRANCES MAY MCADAMS, B. S.,
Fellow in Pathology.

ETHEL M. SYKES, A. B.,
Fellow in Chemistry.

SCHOOL OF PHARMACY

EDWARD RANDALL, M. D.,
Professor of Materia Medica.

ARTHUR EVERETT AUSTIN, A. M., M. D.,
Professor of Chemistry and Toxicology.

RAOUL RENE DANIEL CLINE, B. S., A. M., PH. G., M. D.,
Professor of Pharmacy.

WALTER T. GARBADE, B. S., PH. G.,
Demonstrator of Chemistry.

JOHN C. BUCKNER, PH. G.,
Lecturer on Botany and Demonstrator of Pharmacy.

SCHOOL OF NURSING

MISS ETHEL D'A. CLAY,
Clinical Instructor in Nursing.

THOMAS H. NOLAN,
Provost of Medical Department and Secretary of Faculty.

MISS ADDIE HILL,
Librarian and Stenographer.

MRS. CALLIE G. SHAW,
Superintendent of University Hall.

CALENDAR FOR TWENTIETH ANNUAL SESSION

1910-1911

Examinations for the removal of conditions and for advanced standing or exemptions will be held September 28, 29, and 30, 1910.

Registration days, September 28, 29, and 30, and October 1, 1910.
Opening Exercises.....Saturday, October 1, 1910.
Thanksgiving Day.....Thursday, November 24, 1910.
Fall Term Examinations begin (see page 18)...December 15, 1910.
Christmas Holidays, December 23, 1910—January 2 inclusive, 1911.
Mid-Term Examinations for Junior and Senior Classes in Medicine begin (see page 19).....January 28, 1911.
Washington's Birthday.....February 22, 1911.
Texas Independence Day.....March 2, 1911.
Winter Term Examinations begin.....March 3, 1911.
San Jacinto Day.....April 21, 1911.
Final Examinations for Graduating Classes begin....May 10, 1911.
Final Examinations for other Classes begin.....May 15, 1911.
Graduating Exercises.....May 31, 1911.

SCHOOL OF MEDICINE

ANNOUNCEMENT FOR THE TWENTIETH ANNUAL SESSION

HISTORICAL SKETCH

The first annual session of the Medical Department of the University of Texas began on October 1, 1891, and closed on April 22, 1892.

The nineteenth annual session opened on Friday, October 1, 1909, and will close with appropriate exercises on Tuesday, May 31, 1910.

The twentieth annual session will begin on October 1, 1910, and will continue until May 31, 1911.

The sixth was the last session open to matriculates desiring to graduate under the requirement of three annual sessions for the completion of the course; four annual sessions of eight months each are required for graduation of all students matriculating for the existing course of instruction.*

BUILDINGS AND EQUIPMENT

The College Building occupies a block of ground situated on Avenue B, between Ninth and Tenth Streets; and upon the contiguous block, between Eighth and Ninth Streets, is situated the John Sealy Hospital, the property of the State, and a part of the Medical Department of the University. The Medical College Building was erected in 1890 at the cost of $86,000, exclusive of furnishings and equipment. It is a large and commodious building, modern in construction and imposing in architecture. It contains three large lecture theaters; anatomical, chemical, pharmaceutical, physiological, pathological, histological, and bacteriological laboratories; museums, library, and reading room; faculty room, officers' rooms, and also rooms and laboratories occupied by the School of Pharmacy. The building is well lighted by side windows and sky-lights, is fitted throughout with gas and water, and is heated by steam.

*The authorities reserve the right of addition to, subtraction from, or modification of the announcements of this Catalogue as they shall deem for the best interests of the School and the students.

For description of the John Sealy Hospital, see page 46.

A building, its cost approximating $40,000, known as "University Hall," was erected in 1897, through private benefaction, and serves as a dormitory for women students in this Department. It provides all the comforts and privacy of a home for the women who matriculate in the Schools of Medicine and Pharmacy. On the first floor there is a large dining-room, and board as well as rooms may be had here by women students at a minimum cost.

FACILITIES FOR TEACHING

The various Departments of the Medical School were well equipped when it was organized in 1891. The equipment has been added to every session as the attendance has increased, and at present each laboratory is fully provided with all the apparatus and supplies required for teaching and for original investigation.

The laboratories of Chemistry and of Pharmacy occupy the first floor. The Chemical Laboratory has 275 working desks completely equipped with all the apparatus and reagents necessary for individual work by the students in performing chemical experiments.

The Laboratory of Pharmacy is also fully equipped with apparatus and the facilities required for practical instruction, and has a large collection of drugs and pharmaceutical preparations. While this laboratory is used chiefly by the School of Pharmacy, it is also used for giving practical instruction to the medical students in Materia Medica and Pharmacy in the Freshman Year.

On the second floor is the Physiological Laboratory, consisting of a large room for practical instruction and of other rooms for preparation and research. This laboratory is thoroughly equipped with physiological apparatus for investigation and demonstration, and in addition has fifteen complete sets of apparatus for student exercises, made after the Harvard models, so that the students, working in sections of thirty or less, perform all but the most difficult experiments themselves. Demonstrations in Pharmaco-dynamics are also given in this Laboratory.

On the third floor, the laboratories of Pathology and Histology, each equipped with thirty microscopes and working tables, provide for individual work in the practical instruction in these subjects by

each member of the class, which is divided into sections for this purpose.

The Laboratory of Bacteriology, also on the third floor, is provided with microscopes having oil-immersion lenses, and with all apparatus necessary for practical exercises in bacteriology. Sections of thirty students each can be accommodated in this laboratory.

The Laboratory of Anatomy occupies the entire fourth floor, and is well lighted by ceiling and side lights (see "Museum of Anatomy," p. 14). The supply of anatomical material is adequate, and its preservation is ideal for purposes of dissection.

The Laboratory of Clinical Medicine is on the first floor of the Nurses' Home, adjacent to the Hospital. It is thoroughly equipped with apparatus and microscopes having oil-immersion lenses, for individual work in the study of Clinical Pathology and of the cases in the medical wards by members of the Junior and Senior Classes.

In the basement of the College Building there is a machine shop in charge of a skilled mechanic. The shop is fitted up for all kinds of metal and wood work. Much of the apparatus in use in the different laboratories is either made or repaired here.

When the College Building was repaired after the storm of 1900, many alterations and improvements were made, especially in the Library and in the laboratories of Anatomy, Bacteriology, Physiology, and Pharmacy.

It is the policy of this school to attach little value to purely didactic teaching. Lectures, recitations, and demonstrations are regarded as necessary to enable the students to get the greatest benefit from the laboratory instruction, but the practical work in the laboratories and clinics is considered the most important part of the teaching. The students do not merely see others demonstrate how to do things. Each subject is taught in a practical manner, and whenever it is practicable the students themselves perform experiments, prepare and study specimens, examine patients, etc. The students are graded upon their attendance and practical work in the laboratories, clinics, ward classes, etc., and this record constitutes a part of the term grade in each subject.

The individual instruction and the positive knowledge acquired by the student's own personal observations are regarded as being of the utmost importance in giving the scientific training necessary for the work of the medical profession.

MUSEUMS

Instead of one general museum, there are special collections of typical specimens in connection with the different laboratories, which make possible their use for teaching purposes.

Museum of Anatomy

The Museum of Anatomy is no mere collection of rare specimens, but is an integral part of the teaching equipment, being composed of specimens which have been prepared for their teaching value. The specimens are displayed and labeled with full descriptions on cards or in hand-books, so that the student can acquaint himself with their anatomy. The bones are painted, labeled, described, and fixed to tables conveniently arranged for study; ossification is illustrated by mounted specimens; sections and dissections of the eye, ear, brain, limbs, trunk, pelvis, head, etc., are displayed with full description; wax models of embryology and special dissections and models for illustrating applied surgical anatomy are also used.

The Department of Anatomy is constantly increasing the size and usefulness of this portion of the teaching equipment.

Museum of Pathology

The Museum of Pathology affords, as aids in teaching, a great variety of pathological specimens, especially those showing the gross lesions and their practical application to medicine and surgery. The collection consists of more than a thousand specimens, which have been brought together during a number of years, and is constantly being enlarged. Each specimen is labeled with the serial number of the Museum, the diagnosis, and the name of the donor. The history of each case, together with a description of the gross and microscopic findings, is recorded in a catalogue kept for that purpose. The more important specimens are of great value and easy of access for teaching purposes. Students and physicians have access to the shelves at all times and the specimens are continually used in class-room demonstrations.

It is earnestly recommended that physicians throughout the State interest themselves in this museum. Any material illustrating interesting pathological conditions of organs or tumors, early fetuses,

monsters, etc., may be put in a five per cent solution of formalin or strong alcohol and forwarded at the expense of the laboratory. Full credit will be given to the donor, and, if desired, a report of the microscopic findings will be promptly returned to him.

HOSPITAL FACILITIES

During the past year there have been treated in the wards of the John Sealy Hospital 1762 patients, exclusive of a large number of outdoor patients, who also furnished clinical material for the instruction of the class. The resources of illustration of medical ailments, surgical affections and accidents, and their management, are ample. Daily clinics are given throughout the entire session by members of the Faculty and by special lecturers. Much attention is devoted to bedside instruction, in which the students are required to accompany the teachers through the wards and practically acquire the methods of diagnosis and treatment. (For a full statement of the work done in the John Sealy Hospital, see pp. 49-65.)

During the past year there were 5414 new cases and 7102 old cases treated in the outdoor clinics or dispensaries. These outdoor clinics have been organized so that each Senior student receives the benefit of a period of this clinical work, in its several departments,—medicine, surgery, obstetrics and gynecology, and special diseases

St. Mary's Infirmary, an excellent hospital under the care of the Sisters of the Incarnate Word, is situated at Market and Eighth Streets, only two blocks from the College.

REQUIREMENTS FOR ADMISSION

Men and women are admitted to the School of Medicine under equal conditions, as follows:

1. Age and Character

Candidates must be at least seventeen years of age, and each candidate less than twenty-one years of age must present a written statement from a parent or guardian showing permission to matriculate.

Applicants must furnish evidence of good moral character and

fitness for the profession of medicine. Testimonials signed by at least two reputable and responsible persons, preferably physicians, are required. Students coming from other colleges must present letters of honorable dismissal.

2. Vaccination

Candidates must present evidences of proper vaccination at a date sufficiently recent to insure protection against smallpox, or be vaccinated upon matriculation.

3. Legal Requirements

Under the Medical Practice Act of 1907, the regulations of the Texas State Board of Medical Examiners require that applicants for the license to practice medicine in Texas, in order that they may be eligible to the examinations for such license, shall have obtained from the Board, at the time of admission to a medical college, a certificate of satisfactory preliminary education.

As the University of Texas requires credit for five college courses, in addition to a high school course or its equivalent, as the minimum entrance requirement, and the State Board of Medical Examiners issues its certificates upon credit for twelve high school units, those who can satisfy the admission requirements of the University have no difficulty in securing the certificate of the Board of Examiners. The certificate of the State Board of Medical Examiners should be obtained from the Secretary of the Board before admission. The requirements of the State Board of Medical Examiners must be satisfied independently of those of the University.

4. Scholarship

Applicants for admission to the School of Medicine of the University of Texas will be required to present evidence of the completion of five full courses in the College of Arts of this University, or their equivalent in some other institution, in addition to the regular admission requirements to the College. These five full courses represent the usual amount of work for one session in a college of good rank.

While this minimum entrance requirement does not prescribe par-

ticular subjects, it is recommended to those who intend to study medicine, that the academic course preliminary to the study of medicine should include Physics, Chemistry, Biology, English, and a foreign language.

Those who have received degrees in arts or sciences from approved colleges and universities will be admitted on presenting their diplomas or satisfactory certificates of graduation properly signed.

Other candidates for admission must present full statements from the colleges previously attended, signed by the proper authority, certifying to the following points:

(1) Honorable dismissal; (2) the number of entrance credits allowed, and the mode of admission, i. e., whether by examination or acceptable credentials from approved schools; (3) the college courses completed, giving the number of hours per week and the number of weeks devoted to each subject. A catalogue of the college previously attended must also be presented.

Any one who expects to enter the School of Medicine is urged to send such certificate and catalogue as early in the summer as possible, and certainly before the registration days (September 28 to October 1) in order that the value of the entrance credits may be properly determined before the time for matriculation.

Much time and trouble may be saved if applicants for admission will obtain these statements in duplicate. One of these is required by the State Board of Medical Examiners in issuing the entrance certificate, as explained above, and the other is necessary for admission to the University.

EXEMPTIONS

Graduates and students of the College of Arts and Sciences of the University of Texas, who have completed satisfactorily the courses in Physics, General Inorganic Chemistry, Invertebrate Zoology, Histology, and Embryology, receive credit for these subjects in the Medical Department.

Graduates and students of other colleges, who present satisfactory evidence that they have had instruction in any branches taught in the medical curriculum, equivalent in character and extent to that given in this school, may receive exemptions in such subjects by passing examinations with a grade of 75 per cent or more. In

applying for exemption in any subject, it is necessary for the applicant to present a letter from his former instructor stating the time spent and ground covered, and also to furnish a catalogue of the college or university from which he comes.

All examinations for exemptions must be taken September 28, 29, and 30, 1910, before the opening of the session.

ADVANCED STANDING

Students of other medical colleges may be admitted to advanced standing by satisfying the following requirements:

(a) Documentary evidence must be furnished to show that the applicant has had a preliminary education equivalent to that required of the members of the class to which admission is desired.

(b) The applicant must furnish satisfactory evidence of having had didactic and practical laboratory or clinical instruction in the subjects that have been covered by the class which he wishes to enter, equal in character and extent to that given in this school.

(c) Satisfactory examinations, with a grade of 60 per cent or more, must be passed in all such subjects.

(d) A statement of honorable dismissal must be furnished from the medical college last attended.

Examinations for advanced standing will be held September 28, 29, and 30, 1910.

A graduate of a regular medical school, seeking a diploma from this institution, will be admitted to the graduating class on passing examinations, with a grade of 60 per cent or more, in all subjects taught in the first three sessions of the course in this school. (For the arrangement of the curriculum see pp. 20-21.)

A graduate of a regular medical school, not wishing a degree, will be admitted to an elective course in any branches of the curriculum upon satisfying the financial requirements.

EXAMINATIONS AND CLASS STANDING

Two intermediate examinations are held during the session for the Freshman and Sophomore classes in the School of Medicine, and for both classes in the School of Pharmacy, one during the week preceding the Christmas holiday, and the other during the second

week in March. For the Junior and Senior classes in the School of Medicine, a single mid-term examination is held during the first week in February, and the grade attained in this examination is taken as the term grade in each subject. A final examination is also held in each subject upon the matter taught during the entire course. The average of the two intermediate examinations is known as the "term grade"; the grade attained in the final examination at the completion of each course is known as the "final grade"; the average of these two is the "general average."

If a student fails to take the intermediate and final examinations at the regular scheduled time, without having been excused by the Dean or by the professor in charge, he will be required to repeat the course in that subject.

A student's name may be dropped from the roll at any time during the session, when, in the opinion of the Faculty, he is not doing the work of the course in a satisfactory manner.

Each student, to pass satisfactorily, is required to make 60 per cent or more in the term and final grades, or, if the term grade be less than 60 per cent, to make 75 per cent in the final examination.

A student whose grades are unsatisfactory may be conditioned in not more than three subjects. Examinations for the removal of conditions will be held during the last week in September preceding the next session, and a grade of 75 per cent or more is required in such examinations. If a student fails to pass a satisfactory examination for the removal of a condition, he will be required to take the subject over, and will not be permitted to take advanced standing in any subject in conflict therewith on the roster.

A student is not permitted to carry a deficiency beyond the year succeeding that in which the deficiency occurs. Students with such unsatisfied branches will be matriculated in the class in which the deficiencies occur.

A student conditioned in more than three branches will not be permitted to take examinations to remove such conditions, but will be required to repeat the year's course in its entirety.

Students who matriculate after the registration days (September 28, 29, 30, and October 1) will be required to pay a fine of $3.00.

No regular student will be matriculated after October 15 of any year, except by unanimous consent of the Faculty.

No examinations for the removal of deficiencies will be given after

October 1 of any year. No student will be permitted to do class work until matriculated.

REQUIREMENTS FOR GRADUATION

Candidates for graduation must be at least twenty-one years of age, and must present evidence of good moral character; they must pass satisfactory examinations in all subjects taught in the Senior Year; and, after receiving notice of having successfully passed the final examinations of the last session, they must enter their names on the register of candidates for the degree of Doctor of Medicine.

Candidates for graduation must be present and take part in the graduating exercises, unless excused by the Dean.

PLAN OF INSTRUCTION

The work of the School is conducted according to the following curriculum:

First Year

Systematic lectures as follows:

Major Subjects: (1) Anatomy (bones, joints, arm, leg, and thorax); (2) Inorganic Chemistry, including qualitative analysis; (3) Materia Medica; (4) Normal Histology; (5) Chemical Physiology (foodstuffs, foods, digestion, and the blood).

Minor Subjects: (1) General Biology, including those insects which convey disease; (2) Physics; (3) Embryology; (4) Pharmacy.

Practical laboratory work in (1) Anatomy; (2) Histology; (3) Biology; (4) Chemistry; (5) Chemical Physiology; (6) Materia Medica and Pharmacy; and (7) Embryology.

Second Year

Systematic instruction as follows:

Major Subjects: (1) Anatomy, covering such parts of the subject as are not given in the first year; (2) Physiology, covering those parts of this branch which are not given in the first year; (3) Organic and Medical Chemistry; (4) General Pathology; (5) Pharmacology.

Minor Subjects: (1) Physical Diagnosis; (2) Bacteriology; (3) Minor Surgery.

Practical laboratory work in (1) Anatomy; (2) Physiology; (3) Chemistry; (4) Pathological Histology; (5) Pharmaco-dynamics; (6) Bacteriology; (7) Physical Diagnosis.

Third Year

Systematic lectures in the following:

Major Subjects: (1) Practice of Medicine (see pp. 33-34); (2) Practice of Surgery (see pp. 35-36); (3) Normal Obstetrics, including the mechanics and management of labor; (4) Therapeutics; (5) Special Pathology (see p. 30); (6) Surgical Anatomy.

Minor Subjects: (1) Hygiene; (2) Nervous Diseases; (3) Venereal Diseases; (4) Clinical Pathology; (5) Medical Jurisprudence; (6) Dietetics; (7) Dermatology; (8) Diseases of the Eye; (9) Diseases of the Ear, Nose, and Throat.

Practical work in (1) Pathology; (2) Clinical Medicine; (3) Clinical Pathology; (4) Clinical Surgery; (5) Surgical Pathology; (6) Surgical and Medical Applied Anatomy.

Clinical lectures in General Surgery, Medicine, Obstetrics and Gynecology, Nervous and Mental Diseases, and Dermatology.

Fourth Year

Systematic lectures as follows:

Major Subjects: (1) Practice of Medicine (see p. 34); (2) Practice of Surgery (see pp. 36-37); (3) Gynecology; (4) Obstetrics; (5) Special Pathology; (6) Pediatrics.

Minor Subjects: (1) Nervous and Mental Diseases; (2) Dermatology; (3) Diseases of the Eye; (4) Diseases of the Ear, Nose, and Throat.

Practical work in (1) Operative Surgery; (2) Gross Morbid Anatomy and Autopsy-making; (3) Ward Classes, Outdoor Clinics, and Clinical Laboratory in Medicine; (4) Ward Classes and Outdoor Clinics in Surgery; (5) Dispensary in Gynecology; (6) Cases of Labor.

Clinical Lectures in Medicine, Surgery, Gynecology, Dermatology, Pediatrics, Nervous and Mental Diseases, Diseases of the Eye, Diseases of the Ear, Nose and Throat.

DEPARTMENTS OF INSTRUCTION

ANATOMY

WILLIAM KEILLER, F. R. C. S. (ED.), *Professor of Anatomy.*
EMMETT E. CALLAWAY, M. D., *Demonstrator of Anatomy.*
JOSEPH SCHOOLFIELD JONES, M. D., *Demonstrator of Applied Anatomy.*

1. *Freshman Course.*

Ten hours weekly throughout the session.

a. Osteology. Ten hours weekly for six weeks in two periods, two weeks in October and four weeks in January. This course is given in laboratory demonstrations and by quizzes. An excellent museum of Osteology consisting of painted and labeled specimens, each carefully described in a special hand-book, affords great assistance to the student.

b. Arm, leg, and thorax. Ten hours weekly for twenty-two weeks. The class is divided into sections, and demonstration of each region on the cadaver precedes the dissection. The regional method of dissection is followed, Cunningham's *Manual of Practical Anatomy* forming the student's guide.

2. *Sophomore Course.*

Ten hours weekly throughout the session.

a. Eye and Ear. Ten hours weekly for two weeks. These organs are carefully demonstrated by means of specimens, dissections, and models, and afterwards are dissected by the students. A complete series of dissections of the eye and ear, each described on a special card, makes these difficult subjects very clear, and gives great assistance in acquiring a practical knowledge of their anatomy.

b. Brain. Ten hours weekly for four weeks. The formalin method of preserving the cadaver has revolutionized the study of the brain. The students are furnished with brains in excellent preservation, and each dissection is preceded by a demonstration on a brain before the class in sections.

c. Head, neck, and abdomen. Ten hours weekly for twenty-two weeks. These parts are dissected by the class in sections, a

demonstration of each region on the cadaver preceding the dissection.

3. *Junior Course.*

Four hours weekly throughout the session.

Applied anatomy is taught as a laboratory course, the student dissecting with a special guide-book furnished by the department and designed to present the subject from the standpoint of the clinician and operator. When time permits, fetal anatomy and surgical and medical embryology receive attention.

Stereopticon Lectures

It has been found that much benefit may be derived from the review of a subject by stereopticon lectures after the class has studied it by dissection. In this way the eye, ear, brain, and cranial nerves, are rapidly reviewed. This course of lectures will be steadily extended.

Anatomical Museum

The Anatomical Museum is every year becoming a more important feature in the teaching equipment of this Department. It contains a large and ever increasing number of wet and dry specimens and wax models. The specimens are not hidden away on the shelves where they are comparatively useless, but each is displayed in such a manner as to be convenient for study, is carefully labeled, and is described in a hand-book which the student is expected to consult. Many loose specimens also are constantly available for the purpose of study.

A Reference Library containing the more important of the recent text-books and atlases of Anatomy is open to students in the Anatomical Laboratory.

Dissecting material is abundant and thoroughly preserved, so that dissecting can be carried on with comfort in the hottest weather. The dissecting room is large, airy, well lighted from the roof and sides, always in perfect order, and free from offensive odors.

PHYSIOLOGY

WM. S. CARTER, M. D., *Professor of Physiology and Hygiene.*
OSCAR H. PLANT, M. D., *Demonstrator of Physiology and Pharmacodynamics.*

1. Freshman Course. Chemical Physiology.

Two lectures and five laboratory hours a week for one-half of the session.

This course is given during the second half of the first year. It includes general physiology, the chemistry of the organic food-stuffs, foods, digestion, and the blood. The laboratory exercises are closely correlated with the lectures, and are so arranged that each student performs all the experiments in examining the chemical properties of the different food-stuffs, the separation of the same, the changes which take place in them during digestion, the characteristics of each of the digestive juices, the action of the different digestive enzymes, and the conditions which influence the different phases of digestion. The different stages of digestion are studied in artificial digests prepared for the students by the demonstrator, and each individual student also makes such preparations himself.

2. Sophomore Course. Animal Physiology.

Three lectures and four laboratory hours each week throughout the entire session.

This course includes a thorough consideration of the lymph, absorption, circulation, respiration, metabolism, nutrition, animal heat, secretions, excretions, nerve, muscle, the central nervous system, and the special senses.

The laboratory is well provided with all the apparatus and facilities for practical work in experimental physiology. For laboratory exercises the class is divided into sections, each section working in two-hour periods twice a week. Two students are assigned to a table having a complete equipment of apparatus after the Harvard models. Most of the experiments are performed by the students themselves under the personal supervision of the professor and demonstrator, thus insuring

individual instruction. The more difficult and complicated experiments are shown by demonstration.

Each student is graded on the practical work in the laboratory, and is required to furnish notes, tabular statements, etc., on every exercise, and also to present tracings when the graphic method is used. The practical instruction by individual work in the laboratory not only enables the student to obtain a better understanding of physiology and to see its relation to other subjects, but it also trains him in experimental methods and better fits him for making individual observations in his medical studies.

The entire ground is covered as evenly as possible, without giving undue prominence to any one part; but those subjects which are especially important to the practical physician, such as the circulation, respiration, metabolism, nutrition, secretions, and excretions, receive most attention.

3. Hygiene.

Junior Year. Two lectures a week for one-half of the session.

This course is on the subject of Public Health, and includes a consideration of vital statistics, air, ventilation, heating, drinking water, its pollution and purification, public water supplies, house plumbing and sewerage systems, the disposal of sewage and garbage, soil, disinfection and disinfectants, and the prevention of communicable diseases. Practical instruction in Hygiene is included in the laboratory courses in Chemistry, Physiology, and Bacteriology.

CHEMISTRY

ARTHUR EVERETT AUSTIN, A. M., M. D., *Professor of Chemistry and Toxicology.*
WALTER T. GARBADE, B. S., PH. G., *Demonstrator of Chemistry.*
ETHEL M. SYKES, A. B., *Fellow in Chemistry.*

1. General Chemistry.

Freshman Year. Two lectures and four laboratory hours a week throughout the session.

This is a course in theoretical and descriptive chemistry, both

inorganic and organic. The character of the elements, the laws governing their union, their sources, and the methods of isolation and preparation are considered. Special attention is given to compounds found in the body, substances of importance in materia medica, toxicology, and to substances which serve as reagents in the detection and isolation of biochemical products.

In the laboratory each student applies in a practical way the principles of chemistry in making qualitative analyses. Special attention is given to the separation and detection of chemical compounds, both inorganic and organic, which are of importance in pharmacy, physiology, toxicology, and hygiene.

2. *Medical Physics.*

Freshman Year. Two hours a week during the first third of the session.

This course is designed to acquaint the student with the underlying principles of elementary physics, particularly the phenomena of hydrostatics, heat, light, sound, magnetism, and electricity. Special attention is paid to the spectroscope, polariscope, microscope, and the instruments used daily by physicians.

Careful consideration is given to the principles of physical chemistry which are of importance in medicine, including such subjects as osmosis, freezing point, surface tension, electrical conductivity, etc.

The lectures are fully illustrated with demonstrations, for which a large and well-adapted collection of physical apparatus is provided.

3. *Applied Chemistry.*

Sophomore Year. Two lectures and four laboratory hours each week throughout the session.

This course comprises quantitative analysis as applied to clinical chemistry and hygiene. It includes the analysis of blood, gastric contents, urine, feces, and milk for diagnostic purposes; the analysis of drinking water and milk for hygienic purposes; of foods, vomitus, and urine for inorganic, organic and alkaloidal poisons.

The chemical laboratory occupies the greater portion of the lower

floor of the College Building, and contains 275 working tables, each table being supplied with a complete equipment of apparatus and reagents for individual work by each student. The Department of Chemistry is well equipped for the proper teaching of the subject, and the practical work is done by each student under the personal supervision of the Professor and the Demonstrator.

MATERIA MEDICA AND THERAPEUTICS

Edward Randall, M. D., *Professor of Materia Medica and Therapeutics.*

R. R. D. Cline, B. S., A. M., Ph. G., M. D., *Lecturer on Pharmacy in the School of Medicine.*

Oscar H. Plant, M. D., *Demonstrator of Pharmaco-dynamics.*

1. Materia Medica.

Freshman Year. Two lectures or recitations a week for nineteen weeks.

The instruction consists of lectures, recitations, and prescription writing. During one-half of the term, sections of the class are instructed in the Laboratory of Pharmacy. The time is devoted to practical work, with particular reference to the study and recognition of crude drugs, their chemical incompatibilities, and the manufacture of the commoner preparations.

2. Practical Pharmacy.

Freshman Year. Four laboratory hours a week for one-half of the session. (This course has heretofore been given in the Junior Year, but beginning with the session 1910-11 will be given in the Freshman Year.)

This course is conducted in the Laboratory of Pharmacy by Professor Cline. It includes a discussion of prescription writing, with special reference to pharmaceutical and therapeutical incompatibilities and the character and modes of preparation of remedies as far as these bear upon their use in Therapeutics. (For a full description of this course, see "Special Lectures on Pharmacy," p. 39.)

3. Pharmacology.

Sophomore Year. Two lectures or recitations weekly throughout the session; six laboratory hours a week for eight weeks.

This course is devoted to the study of the physiological action of drugs. The individual remedies are considered separately, and their effects upon the normal animal organism are examined in detail. During the last third of the term demonstrations in experimental pharmaco-dynamics are given in the laboratory by Dr. Plant, Demonstrator of Pharmaco-dynamics. The effects of the most important of the different groups of drugs are shown by administering them to animals, which are always kept under the influence of anæsthetics during the experiments. In this way the students become thoroughly acquainted with the effects produced by drugs when given in therapeutic and in poisonous doses.

4. Therapeutics.

Junior Year. Two lectures a week during the entire session.

This course is devoted to the study of applied therapeutics. The general conditions under which each drug may be used in the treatment of disease are pointed out.

BIOLOGY, NORMAL HISTOLOGY, AND GENERAL EMBRYOLOGY

M. CHARLOTTE SCHAEFER, M. D., *Lecturer and Demonstrator of Biology, Normal Histology, and General Embryology.*
MAY AGNESS HOPKINS, B. S., *Fellow in Histology.*

1. Biology.

Freshman Year. Two lectures and four laboratory hours weekly for ten weeks.

The grand divisions of the vegetable and animal kingdoms, which are of interest to physicians, are included in the systematic lecture course in Biology. Those animal and vegetable organisms which are pathogenic or parasitic to man, or which act as primary and secondary hosts for human parasites are considered at length.

The first part of the course includes the study of cells. The

component parts of cells, their various shapes, relative sizes and reproduction are considered in detail. This course in cytology is followed by the study of the vegetable and animal organisms considered in the lecture course. The laboratory museum contains specimens for the macroscopic and microscopic study of most of the parasites considered. Cycles in the life history of parasites are illustrated with charts.

2. *Normal Histology.*

Freshman Year. Two lectures or recitations and seven laboratory hours weekly throughout the session.

The lecture course includes the microscopic study of all the tissues and organs of the body.

In the laboratory, microscopic sections of the different tissues and organs are mounted and studied. To impress the minute anatomy firmly upon the mind, each student is required to make drawings of his specimens.

3. *Embryology.*

Freshman Year. Two lectures and four laboratory hours weekly for eight weeks.

The systematic lectures include a brief description of the origin of the various tissues and the development of the different structures and organs of the body.

In the laboratory the various phases of development are studied from microscopic sections, charts and models. The mounted specimens consist mainly of embryos of the chick and pig.

PATHOLOGY AND BACTERIOLOGY

James J. Terrill, M. D., *Professor of Pathology.*

Harry O. Knight, A. B., M. D., *Demonstrator of Pathology and Bacteriology.*

Frances May McAdams, B. S., *Fellow in Pathology.*

1. *General Pathology.*

Sophomore Year. Two lectures and four laboratory hours weekly throughout the session.

The subjects covered include the causes of disease, the nomenclature of diseases, parasites, disorders of the circulation, disorders of metabolism (both general and local), inflammation, infectious granulomata, and tumors. In the laboratory each student examines and makes drawings of about two hundred typical specimens. The mark for the student's drawing-book is a part of his final grade for the year.

2. *Bacteriology.*

Sophomore Year. Two lectures or recitations and ten laboratory hours a week for nine weeks.

In this course the student learns to make the various culture media, to use the different forms of apparatus required for the study of bacteria, and to make practical examinations of air, water, milk, etc. The methods of disinfection, sterilization and the chief pathogenic bacteria are studied. Toward the end of the course each student is assigned at least one unknown organism to determine and describe. In the didactic work, subjects are considered which can not well be included in laboratory hours.

3. *Special Pathology. A.*

Junior Year. Two hours weekly throughout the session.

Didactic lectures and recitations upon the special lesions which affect the different organs and systems. The subjects included are the special pathology of the circulatory, respiratory, digestive, and genito-urinary systems.

4. *Special Pathology. B.*

Junior Year. Three hours weekly for half the session.

For this course the Junior Class is divided into two sections, and each section, for half a year, studies typical material illustrating the subjects covered in Courses 3 and 5. Microscopic sections of the tissues removed in the operative surgical clinics are given to the members of the class for study in connection with the course in Surgical Pathology. About eighty specimens are studied and drawn by each student, and emphasis is continually laid upon symptoms and diagnosis in relation to the microscopic appearance of the tissues.

5. Special Pathology. C.

Senior Year. Two hours weekly throughout the session.

This is a continuation of Course 3, and consists of lectures and recitations, held twice weekly throughout the Senior Year. The subjects included are the lesions of the blood and blood-making organs, the muscles, bones and joints, skin, and nervous tissues.

6. Gross Morbid Anatomy.

Senior Year. Two hours weekly throughout the session.

This course naturally falls into two parts. The first includes the methods and criteria of diagnosis from naked-eye inspection of diseased organs, and is illustrated by material derived from autopsies and museum specimens. This work occupies about half the year. The remainder is devoted to complete cases, all the organs being studied, both in the gross and microscopically, the different lesions correlated, and the clinical history reconstructed from the lesions. In this way all that the student has learned of normal and pathological anatomy and of symptoms is brought to a focus.

7. Post-mortem Examinations.

Methods of autopsy-making are demonstrated to the students of the Junior and Senior classes, and the Seniors are required to take part in practicing them by turns. They are also taught how to draw up a correct protocol, with the gross and microscopic findings.

OBSTETRICS AND GYNECOLOGY

J. F. Y. Paine, M. D., *Professor of Obstetrics and Gynecology.*
George H. Lee, M. D., *Professor-elect of Obstetrics and Gynecology.*
H. O. Sappington, M. D., *Lecturer and Demonstrator of Obstetrics and Gynecology.*

1. Obstetrics.

Junior Year. Two lectures and one demonstration weekly during the session.

This course is on normal obstetrics. It includes the anatomy and physiology of the female organs of generation; the development of the fetus; the signs, symptoms, physiology, and pathology of pregnancy; the mechanism and conduct of natural labor; the management of the puerperium; and the care of the newborn infant.

2. *Obstetrics.*

Senior Year. Two lectures and one demonstration each week during the session.

This course is devoted to the pathology of labor; the mechanism and management of preternatural labors; obstetric surgery and the diseases of child-bed. Practical demonstrations are given on manikins, and cases of labor in the wards and outdoor service of the John Sealy Hospital are assigned to members of the class.

3. *Gynecology.*

Senior Year. One lecture and four clinic hours each week during the session.

This course covers the field of gynecology by systematic lectures and clinical instruction. In the clinics, members of the class assist in the operations, and thus receive individual instruction in methods of diagnosis, operative technic, and treatment of diseases of the female reproductive organs.

4. *Outdoor Clinics.*

Senior Year. One hour daily for nine weeks.

The class is divided into small sections for attendance upon the outdoor clinics, and each member attends the gynecological clinics during one-third of the session. Opportunity is afforded for examining patients, and practical instruction is given in the diagnosis and treatment of diseases of women.

PRACTICE OF MEDICINE

MARVIN L. GRAVES, A. M., M. D., *Professor of Medicine.*
JAMES GREENWOOD, JR., M. D., *Demonstrator of Medicine and Instructor in Physical Diagnosis.*
ALLEN G. HEARD, M. D., *Demonstrator of Clinical Medicine.*

The instruction in the Practice of Medicine extends throughout the third and fourth years, and is designed to equip the student with a thorough knowledge of the various diseases of Internal Medicine, including especially modern laboratory and clinical methods of diagnosis and the most practical and approved modes of treatment. Physical Diagnosis is taught by practical instruction in the second year (see "Special Lectures," p. 39).

The following courses are given:

A. JUNIOR YEAR.

1. Systematic Lectures.

Two hours each week throughout the entire session.

This course covers half the field of internal medicine, and includes the constitutional diseases, affections of the gastro-intestinal canal and its appendages, respiratory diseases, disorders of the renal system, cardiac and circulatory diseases, and diseases of the blood and of the ductless glands.

2. Ward Classes.

Two hours a week for each student during the entire session.

The class is divided into small sections for bedside instruction so that each student receives personal instruction in the examination of patients.

3. Clinical Pathology.

Six hours a week for ten weeks.

The Laboratory of Clinical Medicine is well equipped with microscopes, apparatus, and chemical supplies, and an abundance of material is available from the wards and the out-patient department of the Hospital. Demonstrations of the blood, sputum, urine, feces, gastric contents, exudations, transudates, etc., are

made. Individual examinations by each student familiarize him with the technic and the significance of exhibits in normal and in pathological conditions.

4. Clinical Lectures.

Two hours a week for two-thirds of the session are devoted to the exhibition and discussion before the class of the clinical features of diseases from the medical wards of the Hospital.

B. SENIOR YEAR

5. Systematic Lectures.

Two hours a week during the session.

This course is devoted to those subjects of Internal Medicine not covered in the Junior Year. It embraces infectious diseases, animal parasitic diseases, intoxications, etc.

6. Clinical Lectures.

Two hours a week during the entire session.

Clinical lectures are given twice a week upon the cases which occur in the wards of the John Sealy Hospital. The extensive shipping interests of Galveston furnish exceptional advantages for clinical instruction in a wide range of diseases, and especially those which occur in subtropical countries.

7. Ward Classes.

Three hours a week throughout the session.

The class is divided into suitable sections, and the time is devoted to case-taking, bedside study, and clinical instruction. Students are assigned cases and required to write the history, examine the patient, make a diagnosis, and suggest treatment.

8. Laboratory of Clinical Medicine.

The Laboratory of Clinical Medicine is utilized for the exambers of the Senior Class in laboratory work upon the cases assigned to them in the medical wards and outdoor clinics.

The Laboratory of Clinical Medicine is utilized for the exam-

ination, by the students, of the secretions, excretions, blood, etc., of these cases. Proper supervision is exercised to insure accuracy and to point out the clinical significance of the findings. In this way the student realizes the full value of the clinical material and acquires a practical knowledge of the treatment of disease.

9. *Outdoor Clinics.*

Six hours weekly for nine weeks.

Under the direction of the Demonstrator of Medicine, sections of the Senior Class attend the outdoor clinics one hour daily. The students elicit the history of cases, examine patients, and suggest treatment. Personal and direct contact with a variety of medical diseases is thus obtained, and valuable experience is secured.

SURGERY

James E. Thompson, M. B., B. S. (Lond.), F. R. C. S. (Eng.), *Professor of Surgery.*

H. R. Dudgeon, M. D., *Clinical Professor of Genito-Urinary Diseases and Demonstrator of Surgery.*

1. *Bandaging and Minor Surgery.*

Sophomore Year. One lecture weekly throughout the session.

This course is a very complete one, and aims at the thorough preparation of the student for the more advanced work of the third and fourth years. It consists of systematic lectures and clinical demonstrations in the hospital. The students are taught the essentials of asepsis and the preparation of dressings and ligatures. In addition, a short description of fractures, dislocations, and the uses of fixation apparatus is included in the course.

2. *Systematic Lectures.*

(*a*) Junior Year. Two hours a week during the entire session.

These lectures cover the following ground: the surgical aspects of inflammation in all its varieties; wounds; local and consti-

tutional infections; gangrene; surgical aspects of tuberculosis and syphilis; fractures; dislocations; diseases of joints; diseases of bone; injuries and diseases of muscles and tendons; injuries and diseases of bursae; injuries and diseases of the heart and blood-vessels; aneurisms; injuries and diseases of the lymphatic system; injuries and diseases of nerves.

(*b*) Senior Year. Two hours a week during the entire session.

These lectures cover the following ground: surgical pathology and treatment of neoplasms; injuries and diseases of the head, brain, face, neck, spinal column, and spinal cord; diseases of the tongue and mouth, jaws, oesophagus, and pharynx; diseases of the stomach and intestines, rectum, and anus; diseases of the breast; diseases of the kidneys, ureter, bladder, prostate, urethra, and penis; diseases of the testicles, epididymis, vasa-deferentia, and vesiculæ seminales; hydrocele, hæmatocele; hernia in all situations; intestinal obstructions; diseases of the liver and gall bladder; diseases of the spleen; surgery of the chest and lungs.

3. *Lectures and Laboratory Instruction in Surgical Pathology.*

Junior Year. Two hours a week during the entire session.

This course is given jointly by the Departments of Surgery and Pathology, in the Laboratory of Pathology, in order to correlate the clinical aspect of surgical diseases with the pathologic condition. The study of the gross appearance of diseased tissues and tumors removed in the surgical clinics, and the discussion of similar specimens from the museum, is in charge of the Department of Surgery; the microscopic study of such tissues is given by the Department of Pathology.

4. *Ward Classes.*

Junior Year. Six hours a week during one-third of the session.

Here the student is instructed in bandaging and surgical dressings; in the methods of examining cases and taking surgical histories; and in following the course of cases after operation.

5. *Operative Clinics.*

(*a*) Junior Year (in sections). Six hours weekly during two-thirds of the session.

(*b*) Senior Year. Six hours weekly during the whole session.

These clinics are held in the John Sealy Hospital every Monday, Wednesday, and Friday, from 9 a. m. to 11 a. m. Fourth-year students are invited, in rotation, to assist the surgical staff, in order that they may acquire a practical knowledge of the methods in use.

6. *Operative Surgery on the Cadaver.*

Senior Year. Two hours weekly during the entire session.

This course consists of lectures and demonstrations on the cadaver. Each student, in turn, performs the operations previously described by the teacher. The course is very complete, and covers, as far as possible, the whole ground of operative surgery. When necessary the class is divided into sections, in order that each individual student may acquire as much experience as possible.

It is the aim of this course to treat operative surgery from a purely anatomical point of view and the anatomy of each surgical region is thoroughly taught.

7. *Out-patient Department.*

Senior Year. Sections. Six hours weekly for nine weeks.

Surgical teaching under the care of the Demonstrator of Surgery is carried on every day except Sunday from 12 to 1 p. m. In this department the students come in close contact with the cases, and are allowed to conduct the treatment as far as advisable.

OPHTHALMOLOGY AND OTOLOGY

SETH MABRY MORRIS, B. S., M. D., *Professor of Ophthalmology, Otology, Rhinology, and Laryngology.*

1. *Ophthalmology.*

Senior Year. One lecture and two clinics weekly throughout the session.

The lectures embrace the following topics: anatomy and physiology of the eye, external diseases, fundus lesions and their relationship to general diseases. The students are given practical instruction in the use of the ophthalmoscope, in specially constructed dark rooms, and have every opportunity of acquiring a thorough working knowledge of this instrument.

Demonstrations are given of the methods of testing muscular balance, refraction, the practical application of which is demonstrated in the clinics, and interesting operations are performed before the class.

2. *Otology, Rhinology, and Laryngology.*

Senior Year. One lecture and two clinics weekly throughout the session.

The lectures are devoted to the special anatomy and the physiology of the ear, nose, and throat; the methods of examining these parts; and the different diseases to which they are subject.

In the out-patient department, the students have opportunity of acquiring a thorough knowledge of the normal appearance of the parts, and are able to follow the course and treatment of diseased conditions. They receive personal instruction in handling the various instruments used for examination and treatment. Operations are performed before the class.

DERMATOLOGY AND GENITO-URINARY DISEASES

H. R. DUDGEON, M. D., *Clinical Professor of Dermatology and Genito-urinary Diseases.*

1. *Genito-urinary Diseases.*

Junior Year. One hour weekly during the entire session.

A systematic course on this subject is given by lectures during the Junior Year. Cases are also presented as they occur in the surgical clinics throughout the third and fourth years. The surgical out-door clinic furnishes an abundance of cases for teaching this subject in a practical way to the members of the Senior class.

2. *Dermatology.*

Senior Year. One lecture each week during the entire session; six hours weekly for nine weeks in outdoor clinic.

The importance to the student of obtaining a thorough knowledge of skin diseases can hardly be overestimated. The frequency with which they are encountered in general practice, and the intimate relations they sustain to diseases of other organs, makes the study both important and interesting. Special attention is given to the common diseases of the skin and to the pathology of the elementary skin lesions. When practicable the lectures are clinical, and when cases are not available, dermochromes are used to illustrate the different forms of disease.

SPECIAL LECTURES

PHYSICAL DIAGNOSIS

Edward Randall, M. D., *Lecturer on Physical Diagnosis.*
James Greenwood, Jr., M. D., *Instrucor in Physical Diagnosis.*

Sophomore Year. Four hours weekly for nine weeks.

This course in Physical Diagnosis grounds the student in the normal physical signs of the human body. The alterations in these signs in diseased states are also explained and demonstrated. Each student is thus prepared for the clinical studies in the third and fourth years of the curriculum.

The teaching in physical diagnosis is thoroughly practical, and for this purpose the class is divided into small sections, so that each student has the advantage of individual instruction. A brief explanatory talk is given at the beginning of each exercise by the Lecturer, and the balance of the time is devoted to the examination of patients in the hospital by the students under the direction of the Lecturer and the Instructor.

PHARMACY

R. R. D. Cline, B. S., A. M., Ph. G., M. D., *Lecturer on Pharmacy in the School of Medicine.*

Freshman Year. Sections. Four hours weekly for one-half of the session.

This course is given by practical exercises in the Laboratory of Pharmacy, and in order that each individual may receive personal instruction and make all the preparations, the class is divided into sections.

The students make those pharmaceutical preparations which are commonly used in the practice of medicine. They are taught how to purify drugs; to combine them without making them unsightly and unpalatable; how to remove substances which cause irritation and nausea, retard absorption, or impart disagreeable odors. The deterioration of drugs is also carefully considered. In handling the pharmaceuticals and chemicals the students become familiar with the various properties of drugs, their incompatibilities, their solubility in different menstrua, and the best methods of administering them.

The following preparations are made during the course; medicated waters, liquors, elixirs, syrups, spirits, tinctures, pills, tablets, suppositories, collodions, and ointments.

The latter part of the course is devoted to reading and criticising actual prescriptions. Students are required to write prescriptions for hypothetical conditions, special attention being directed to doses, incompatibilities, and the best way of giving the more important drugs in common use. The prescriptions are not only discussed from these standpoints, but it is pointed out how they may be made more palatable and less irritating, and how the unpleasant effects of the drugs may be avoided.

DIETETICS

OSCAR H. PLANT, M. D., *Lecturer on Dietetics.*

Junior Year. Two lectures a week for thirteen weeks.

This course comprises the composition, preparation, digestibility, and nutritional value of foods; also the diets suitable for different diseases.

The following foods are considered in detail with special reference to their use in health and disease: milk and milk products; eggs; meats and meat derivatives; fish and shell fish; cereals, with special reference to bread and dextrinized foods; leguminous vegetables; roots and tubers; green vegetables; fruits; spices

and condiments; inorganic salts; drinking and mineral waters; tea, coffee, cocoa, and alcohol.

The second part of the course is devoted to the consideration of a suitable diet in those diseases in which the diet plays an important part in the treatment, *e. g.*, acute infections, tuberculosis, digestive diseases, renal diseases, malnutrition, obesity, diabetes, gout, and rheumatism.

MENTAL AND NERVOUS DISEASES

MARVIN L. GRAVES, A. M., M. D., *Lecturer on Nervous and Mental Diseases.*

Junior and Senior Years. One lecture and one clinic weekly throughout the session.

The more important and practical phases of the subjects are covered in didactic and clinical lectures. Illustrative cases are presented, examined, and discussed. The organic and functional psychoses and all the ordinary organic and functional diseases of the nervous system are treated. The practical application of electricity for diagnosis and treatment is taught. Students are instructed in morbid sensory and motor manifestations, the disordered reflexes, the disturbances of the special senses, speech, etc. The wards and out-patient department of the John Sealy Hospital and other sources afford an abundant supply of clinical material for these purposes.

MEDICAL JURISPRUDENCE

DAVID H. LAWRENCE, PH. G., M. D., *Lecturer on Medical Jurisprudence.*

Junior Year. Two lectures a week for nineteen weeks.

This course attempts to cover the subject of legal medicine as follows: the physician's liability for malpractice; relation of physician to patient; medico-legal inspection; violent death; rape, criminal abortion; infanticide; life insurance; malingering; death from the different poisons; corpus delicti, examination of blood stains; hypnotism; and insanity.

It is incumbent upon every physician to have some knowledge

of the subject of legal medicine, as every physician, at some time during his professional career, is called upon to give testimony before the courts, and it behooves every young practitioner to appear in court when called upon. He should know, therefore, what the commonwealth expects and has a right to demand of him as a physician, and he should also know his own rights as a medical expert.

DISEASES OF CHILDREN

JAMES GREENWOOD, JR., M. D., *Lecturer on Diseases of Children.*

Senior Year. One lecture and one clinic each week during the entire session.

These lectures are devoted to the consideration of the diseases incident or peculiar to infancy and childhood. Some of the lectures are didactic, as demanded by a systematic discussion of the anatomy, physiology, pathology, and hygiene of this period of life; but the teaching is chiefly clinical, and is illustrated by cases drawn from the wards and the outdoor clinics of the John Sealy Hospital. Special attention is given to the subject of infant-feeding in health and in disease.

SUMMARY OF HOURS DEVOTED TO EACH SUBJECT.

	First Year.		Second Year.		Third Year.				Fourth Year.				Total.				Total for Course.
	Lectures and Recitations.	Laboratory.	Lectures and Recitations.	Laboratory.	Lectures and Recitations.	Laboratory.	Clinics.	Ward Classes.	Lectures and Recitations.	Laboratory.	Clinics.	Ward Classes and Disp'ns'y	Lectures and Recitations.	Laboratory.	Clinics.	Ward Classes and Dispensaries.	
Anatomy	....	280	....	280	....	....	....	....	....	....	....	....	}	644	....	.....	644
Surgical Anatomy	....	....	....	....	....	84	....	....	....	....	....	....	112	182	....	.....	294
Physiology	28	70	84	112	....	....	....	....	....	....	....	....	38	....	....	.....	38
Materia Medica	38	....	....	....	....	....	....	....	....	....	....	....	56	112	....	.....	168
General Inorganic Chemistry	56	112	....	....	....	....	....	....	....	....	....	....	20	....	....	.....	20
Physics	20	....	....	....	....	....	....	....	....	....	....	....	20	40	....	.....	60
General Biology	20	40	....	....	....	....	....	....	....	....	....	....	56	196	....	.....	252
Histology	56	196	....	....	....	....	....	....	....	....	....	....	16	32	....	.....	48
Embryology	16	32	....	....	....	....	....	....	....	....	....	....	56	112	....	.....	}
General Pathology	....	....	56	112	....	....	....	....	....	....	....	....	112	112	....	.....	392
Special Pathology and Morbid Anatomy	....	....	....	....	56	56	....	....	56	56	....	....	18	90	....	.....	108
Bacteriology	....	....	18	90	....	....	....	....	....	....	....	....	56	48	....	.....	104
Pharmacology	....	....	56	48	....	....	....	....	....	....	....	....	56	112	....	.....	168
Medical Chemistry	....	....	56	112	....	....	....	....	....	....	....	....	28	....	....	.....	28
Hygiene	....	....	....	....	28	....	....	....	....	....	....	....	26	....	....	.....	26
Dietetics	....	....	....	....	26	....	....	....	....	....	....	....	56	....	....	.....	56
Therapeutics	....	....	....	....	56	....	....	....	....	....	....	....	....	56	....	.....	56
Pharmacy	....	56	....	....	....	....	....	....	....	....	....	....	....	36	....	.....	36
Physical Diagnosis	....	....	....	36	....	....	....	....	....	....	....	....	....	36	....	.....	36
Medicine	....	....	....	....	56	60	56	56	56	56	56	126	112	116	112	182	522
Surgery	....	....	28	....	84	56	168	56	56	56	168	42	168	112	336	98	714
Obstetrics	....	....	....	....	56	28	....	....	56	28	....	....	112	56	....	.....	168
Gynecology	....	....	....	....	....	....	....	....	28	..	112	42	28	....	112	42	182
Nervous and Mental Diseases	....	....	....	....	28	....	28	..	28	..	28	....	56	....	56	.....	112
Diseases of the Eye	....	....	....	....	....	....	....	..	28	..	56	....	28	....	56	.....	84
Diseases of the Ear, Nose and Throat	....	....	....	....	....	....	....	..	28	..	....	....	28	....	....	.....	84
Dermatology	....	....	....	....	28	....	....	..	28	..	....	....	56	....	....	.....	56
Pediatrics	....	....	....	....	28	....	....	..	28	..	28	....	56	....	28	.....	84
Medical Jurisprudence	....	....	....	....	....	....	....	..	38	..	....	....	38	....	....	.....	38
Total	1018		1088		1088				1358				1408	2054	756	322	4540

LIBRARY AND READING ROOM

MISS ADDIE HILL, *Librarian.*

The Library occupies the east end of the first floor of the College Building. The large room at the end of the hall is the reading-room; the two adjoining rooms contain cases and stacks for journals; and the fourth is used for sorting and storing duplicate journals and incomplete files of the same. The reading-room is very well lighted, is supplied with chairs and tables, and students may read or study here from 8 a. m. to 12 m. and from 2 to 5 p. m. The most important modern medical text-books, books of general reference, such as encyclopedias, indexes, etc., and the best American and foreign medical journals are kept in cases in the reading-room, and the students have easy access to them.

The Library includes 7,194 volumes and 560 pamphlets, some of which have been given by generous physicians. Most of the Library has been acquired by purchase. After the storm of 1900, over $4,000 was expended by the Regents of the University in restoring the Library, and for several years past an annual appropriation of $1,000 has been used in adding the more important texts and monographs and in completing many of the files of journals used for reference in making original investigations.

The books are classified according to the Dewey system, and are catalogued by author, subject and title, so that they can readily be used for consultation in the reading-room or for withdrawal from the Library.

The Library is in charge of the Librarian, who devotes her entire time to it.

Regular physicians, other than those of the teaching staff, may consult books and journals in the Library, but the privilege of withdrawing them from the Library is limited to those connected with the Medical School.

UNIVERSITY HALL

University Hall was donated to the University of Texas in 1897 by Mr. George W. Brackenridge, of San Antonio. This is one of numerous instances of the splendid generosity of Texans and of their deep interest in higher education. In order to encourage

women to enter the professions, particularly the profession of medicine, this Hall was given to the University of Texas so as to provide a comfortable home for women during the time they are studying Medicine or Pharmacy. In furtherance of his original purpose, the donor has for several years past made generous provision for the maintenance of University Hall.

The Hall is a handsome brick building of three stories, the second and third of which are divided into about thirty rooms, including living rooms, bedrooms, bathrooms, parlors, etc. On the first floor are reception rooms, dining-rooms, kitchen, etc. The building is heated by steam and lighted by electricity. The rooms are well furnished, and are rented to women students for $5.00 per month.

The Superintendent of University Hall, Mrs. Callie G. Shaw, lives in the building and looks well after the comfort of the women students who reside there.

The students residing in University Hall have organized a dining club on the coöperative plan; excellent board is obtained here for about $12.00 per month.

SCHOLARSHIPS AND FELLOWSHIPS

In order to promote professional education among worthy and ambitious women, a scholarship open to women students in the Medical Department of the University of Texas was founded in 1903 by Mr. George W. Brackenridge, of San Antonio.

This is known as the "Isabella H. Brackenridge Scholarship." The holder is entitled to the sum of $240, payable in installments of $30 at the end of each of the eight months of the scholastic year. This scholarship has been permanently endowed by bonds of the value of $5,000, deposited with the State Treasurer, the yearly income from these bonds being sufficient for the maintenance of the scholarship.

This scholarship is awarded to that woman of the School of Medicine above the Freshman Class who shall have attained, in the previous session of the School, the highest general average in the course of study, provided that this general average be not less than eighty-five per cent, and that the grade for the session in any one subject be not less than seventy per cent. When this scholarship is once

awarded to any person for any year, such person is entitled to the same for each successive year she is a student in the School of Medicine, provided she maintains the average grades named above.

This scholarship is awarded at the end of each session to the person designated by the Dean of the Medical Faculty. In case the holder shall fall below the average standing of her class, or for any reason shall terminate her connection with the School, the monthly payments shall cease.

Provision has been made for eight scholarships of $200 each, which will be awarded to young women who desire to study medicine and who can satisfy the entrance requirements for full admission to the School of Medicine. Preference will be given to graduates and students of the College of Arts of the University of Texas.

The holders of these scholarships for the session of 1909-1910 are: Miss Una Howe, B. A., Miss Rosalie McAdams, Ph. G., Miss Ellen C. Cover, and Miss Ray Karchmer.

Three fellowships, paying $700 each, have been maintained for the past three sessions for women who have specialized in chemistry, biology, and other subjects in which women can give assistance at the Medical Department of the University. The holders of these fellowships are required to undertake some original work for the promotion of medical science, or to give assistance in teaching.

These scholarships and fellowships are awarded by the President of the University and the Dean of the Medical Department to women who are prepared to undertake the work, and who present the most satisfactory credentials.

JOHN SEALY HOSPITAL

Board of Managers

Dr. Edward Randall, President; Dr. James E. Thompson, Vice-President; John Sealy, V. E. Austin, Lewis Fisher.

Visiting Staff

Physician and Neurologist.....Dr. Marvin L. Graves.
Surgeon.....Dr. J. E. Thompson.
Obstetrician and Gynecologist.....Dr. J. F. Y. Paine.
Pathologist.....Dr. James J. Terrill.

Ophthalmologist and Aurist.....Dr. Seth M. Morris.
Dermatologist and Assistant Surgeon.....Dr. H. R. Dudgeon.
Pediatrist and Assistant Physician.....Dr. James Greenwood, Jr.
Assistant Obstetrician and Gynecologist.....Dr. H. O. Sappington.
Assistant Physician.....Dr. Allen G. Heard.

Superintendent

Miss Clara Lincoln Shackford.

Resident Staff

Dr. L. J. Logue. Dr. John G. Schilling.
Dr. W. T. Dunning. Dr. M. B. Badt.

Clinical Pathologist

Dr. E. M. Lyon.

Outdoor Clinical Staff

Chief of Surgical Clinic.....H. R. Dudgeon, M. D.
Chief of Obstetrical and Gynecological Clinic.....H. O. Sappington, M. D.
Chief of Medical Clinic.....Allen G. Heard, M. D.
Chief of Dermatological Clinic.....H. R. Dudgeon, M. D.
Chief of Clinic for Ophthalmology and Otology..S. M. Morris, M. D.

Apothecary

Miss Mabel Giddings, Ph. G.

Superintendent of Training School for Nurses

Miss Ethel D'A. Clay.

"It being represented to the citizens of Galveston and to the people of the State of Texas, that John Sealy, late of the city of Galveston, departed this life in the month of August, 1884, inspired with a generous and philanthropic motive and possessed of a large real and personal estate, of which by his bequest he devoted $75,000 to the establishment of a hospital in said city, naming for the purpose the city council of the city of Galveston and the Regents of the University of Texas, jointly, for and in behalf of the Medical Department of said University, to manage and conduct the same for the

reception and relief of sick and diseased persons; the property of said hospital shall be exempt from taxation, and shall be entitled to the benefit and provisions of the law relative to charitable institutions.

"The Regents may take and hold any additional donations, grants, devises, and bequests in further support of, or addition to, said hospital.

"The direction, ownership, and disposition of said hospital shall be vested in said Regents and their successors, for the object and purposes heretofore set forth, and pursuant to the wishes and directions of the last will and testament of its founder aforesaid."

The John Sealy Hospital occupies a block of ground between Eighth and Ninth Streets, and between Avenues A and B, contiguous to the block occupied by the College Building. There are eight wards, besides a number of private rooms and rooms for officials.

In addition to the original bequest for the foundation of the hospital, the heirs of the late John Sealy have, from time to time, very generously contributed for its repair and improvement, a sum aggregating more than $80,000.

The entire hospital, including the nurses' home and the building for colored patients, is heated by steam and lighted by electricity. The wards and rooms are large and airy, having been built with special reference to the comfort of the sick in the prevailing warm seasons of this climate.

The upper floor of the central part of the main hospital building is occupied by a clinical amphitheatre, together with a sterilizing room, preparation rooms, dressing rooms, etc. Clinics are held here every week-day throughout the session. By a private benefaction this portion of the hospital has recently been completely remodeled and fitted up with all the facilities of a modern surgical operating room.

A two-story brick building, accommodating about fifty beds, in two large wards, with several private rooms, has been erected on the north side of the hospital lot for the accommodation of the negro patients. This building was completed in 1901, and its construction was made possible by a public benefaction amounting to $18,000. The old frame building has been thoroughly remodeled

and now serves as a home for the nurses. A portion of the first floor is devoted to the laboratory of clinical medicine.

The Hospital is leased to the city of Galveston for a period of twenty-five years by the University of Texas at a nominal rental, with the agreement that the visiting staff to the Hospital shall be designated by the Regents of the University from the Medical Faculty. The lease provides that the John Sealy Hospital is to be used as a Medical College Hospital in connection with the Medical Department of the University of Texas, and that the wards, clinics, amphitheatre, etc., of the institution are to be used by the staff for giving clinical instruction to Medical students.

The city of Galveston maintains the John Sealy Hospital as a city hospital for the free treatment of the indigent sick and disabled by an annual appropriation of $37,000.00. The income derived from private rooms is an additional source of revenue.

There are few hospitals in which the patients can be utilized so fully for bedside and clinical instruction as in the John Sealy Hospital. The only limitations are the welfare and comfort of the patients. Without detracting in any way from the benefit derived by the patients from hospital treatment, the students are enabled to profit by the very exceptional clinical advantages.

The hospital has 155 beds, and this number can be increased in case of emergency. During the year 1909 there were 1762 patients treated in the wards, the average number of indoor patients for each day during the year being 115. In the dispensaries or outdoor clinics there were 5,414 new cases and 7,102 old cases; the average number of outdoor patients treated each day was 40.

The resident staff of the hospital is appointed annually from the graduating class according to the grades attained in the final examinations for the degree in medicine.

The nursing is done by the students of the School of Nursing under the direction of the Instructor in Nursing.

Galveston is now the foremost port in this country in the exportation of cotton, and is one of the most important seaport cities of the Southern States. Her shipping interests, already large, are growing rapidly. With this growth the number of hospital cases available for teaching purposes has been more than doubled within the past few years. For 1901 the average daily number of indoor pa-

tients in the John Sealy Hospital was 49; for 1905 the average number of patients for each day was 98; for 1906 it was 109; for 1907 it was 118; for 1908 it was 115; for 1909 it was 115.

The character of the population from which the hospital wards are filled assures a great variety of medical affections, while the numerous railroad and steamship lines which converge at this point furnish an abundance of surgical cases.

The following condensed report of the number of patients treated in the indoor and outdoor departments of the hospital and the number of operations performed from January 1, 1909, to January 1, 1910, will serve to show the excellent opportunities for clinical teaching in this school.

REPORT OF MEDICAL CASES IN HOSPITAL.

Diagnosis.	Total number.	Recovered.	Improved.	Not improved.	Not treated.	Died.
Alcoholism, acute	7	7	....	....	....	....
Alcoholism, chronic	18	....	16	2	....	....
Aneurism of abdominal aorta	1	....	....	....	....	1
Aneurism of aortic arch	4	....	....	1	....	3
Aneurism of right subclavian	1	....	....	....	....	1
Angina pectoris	1	....	....	1	....	....
Anemia, secondary	1	1	....	....	....	....
Angio-neurotic edema	1	....	1	....	....	....
Anchylostomiasis	3	2	1	....	....	....
Arterio-sclerosis, general	2	....	2	....	....	....
Ascaris lumbricoides	2	1	1	....	....	....
Asthma, bronchial	2	....	2	....	....	....
Appendicitis, catarrhal, chronic	1	....	1	....	....	....
Bronchitis, acute	5	3	2	....	....	....
Bronchitis, chronic	6	....	6	....	....	....
Cardiac diseases:						
Aortic insufficiency	4	....	3	....	....	1
Aortic and mitral insufficiency	7	....	5	....	....	2
Mitral insufficiency	35	....	21	1	1	12
Endocarditis, ulcerative	2	....	1	....	....	1
Myocarditis, chronic	3	....	....	....	....	3
Myocarditis, suppurative, acute	1	....	....	....	....	1
Hypertrophy and dilatation	2	....	2	....	....	....
Constipation, chronic	6	....	6	....	....	....
Cystitis	1	....	1	....	....	....
Diabetes mellitus	2	....	2	....	....	....
Duodenum, ulcer of	1	....	1	....	....	....
Dupuytren's contracture	1	....	....	1	....	....
Dysentery, amebic	5	2	3	....	....	....
Dysentery, catarrhal, acute	5	3	2	....	....	....
Emphysema, hypertrophic	1	....	1	....	....	....
Empyema	1	....	....	....	1	....
Febricula	1	1	....	....	....	....
Furunculosis	1	....	1	....	....	....
Gastritis, catarrhal, acute	8	6	2	....	....	....
Gastritis, catarrhal, chronic	11	....	10	1	....	....
Gastritis, alcoholic, acute	5	3	2	....	....	....
Gastritis, alcoholic, chronic	3	....	3	....	....	....
Gastro-duodenitis, acute	1	1	....	....	....	....
Gastro-enteritis, acute	12	9	2	....	....	1
Gastric ulcer	1	....	1	....	....	....
Gastroptosis	1	....	....	....	1	....
Gout	3	....	3	....	....	....
Heat exhaustion	1	1	....	....	....	....
Herpes zoster	1	....	1	....	....	....
Hypernephroma	1	....	....	....	....	1
Inanition	1	....	1	....	....	....
Infectious diseases:						
Cerebro-spinal meningitis	1	....	....	....	....	1
Diphtheria	3	2	....	....	....	1
Malaria, estivo-autumnal	8	8	....	....	....	....
Malaria, tertian	7	7	....	....	....	....
Pneumonia, broncho-	1	1	....	....	....	....
Pneumonia, lobar	19	16	....	....	....	3

PORT OF MEDICAL CASES IN HOSPITAL—continued

Diagnosis.	Total number.	Recovered.	Improved.	Not improved.	Not treated.	Died.
Infectious diseases—continued:						
Smallpox	12	12	....	....	....	....
Tuberculosis, pulmonary	40	....	8	14	....	18
Typhoid fever	52	47	....	....	....	5
Whooping cough	3	3	....	....	....	....
Jaundice, catarrhal, acute	5	3	2	....	....	....
Leukemia, lymphatic, acute	2	....	....	....	....	2
Leukemia, myelogenous	1	....	....	....	....	1
Liver, atrophic cirrhosis of	7	....	3	1	....	3
Liver, carcinoma of	4	....	....	3	....	1
Malnutrition	3	1	2	....	....	....
Marasmas	1	....	....	....	....	1
Nephritis, parenchymatous, acute	1	....	....	....	....	1
Nephritis, parenchymatous, chronic	18	....	14	....	....	4
Nephritis, interstitial, chronic	17	....	12	2	....	3
Perihepatitis	1	....	1	....	....	....
Pleuritis, with effusion	2	....	2	....	....	....
Pleuritis, fibrinous, acute	5	2	3	....	....	....
Peritonitis, acute, diffuse	1	....	....	....	....	1
Peritonitis, cancerous	1	....	....	....	....	1
Peritonitis, tuberculous	4	....	1	1	....	2
Pylorus, stricture of	1	....	....	1	....	....
Purpura rheumatica	1	....	1	....	....	....
Pyemia	1	....	....	....	....	1
Poisoning by:						
Carbolic acid	6	2	2	....	....	2
Camphor	1	1	....	....	....	....
Coal tar	1	....	....	....	....	1
Carbon monoxide	1	1	....	....	....	....
Hydrogen sulphide	1	1	....	....	....	....
Mercuric chloride	3	3	....	....	....	....
Morphine	1	1	....	....	....	....
Opium	1	....	....	....	....	1
Ptomaine	1	1	....	....	....	....
Rheumatism, articular, acute	4	2	1	....	1	....
Rheumatism, articular, chronic	8	....	8	....	....	....
Rheumatism, gonorrheal	1	....	1	....	....	....
Rheumatism, muscular, acute	7	4	2	....	1	....
Rheumatism, muscular, chronic	8	....	8	....	....	....
Sciatica	2	....	2	....	....	....
Stomatitis, mercurial	2	2	....	....	....	....
Syphilis, tertiary	7	....	7	....	....	....
Tonsillitis, follicular, acute	4	2	2	....	....	....
Thrombosis of femoral veins	1	....	1	....	....	....
Total	465	162	189	29	5	80

REPORT OF MENTAL AND NERVOUS CASES IN HOSPITAL.

Diagnosis.	Total number.	Recovered.	Improved.	Not improved.	Not treated.	Died.
Amnesia	1		1			
Ataxia, Friedreich's	1		1			
Ataxia, locomotor	3		1	2		
Cerebral hemorrhage	4		1			3
Cerebral tumor	1			1		
Delirium tremens	3	3				
Encephalo-malacia	1					1
Epilepsy	7		2	5		
Hemiplegia	9		9			
Hysteria	3		1	2		
Idiocy	1			1		
Imbecility	4			4		
Insanities:						
Dementia, alcoholic	1			1		
Dementia, secondary	4		1	3		
Dementia, senile	2			2		
Melancholia	2		2			
Paresis, general	1			1		
Meningitis, alcoholic, serous	5		1			4
Morphinomania	6		5	1		
Myelitis, disseminated	4			3		1
Myelitis, transverse	2			2		
Neurasthenia	3		1	1	1	
Neuritis, multiple, alcoholic	3		3			
Paralysis, infantile, cerebral	1		1			
Paralysis, agitans	1		1			
Poliomyelitis, anterior, acute	4		4			
Psychasthenia	4		3	1		
Sclerosis, amyotrophic, lateral	1			1		
Sclerosis, disseminated	1			1		
Sclerosis, lateral	1		1			
Syringomyelia	1			1		
Syphilis, cerebro-spinal	1		1			
Syphilis, cerebral	2		2			
Totals	88	3	42	33	1	9

STATEMENT OF SURGICAL WARDS.

Diagnosis.	Total number.	Recovered.	Improved.	Not improved.	Not treated.	Died.
Abscess:						
Hepatic	2	1	....	....	....	1
Ischio-rectal	3	1	2	....	....	....
Miscellaneous	17	12	5	....	....	....
Perineal	3	1	2	....	....	....
Psoas	1	....	1	....	....	....
Retro-pharyngeal	1	....	1	....	....	....
Adenitis, axillary	2	2	....	....	....	....
Aneurism:						
Aorta	1	....	....	....	....	1
Palmar arch	1	1	....	....	....	....
Ankylosis:						
Elbow	1	1	....	....	....	....
Wrist	1	....	1	....	....	....
Anthrax	1	1	....	....	....	....
Appendicitis	48	44	1	....	....	3
Arthritis:						
Deformans	1	....	1	....	....	....
Septic	1	....	1	....	....	....
Traumatic	1	1	....	....	....	....
Blastomycosis	1	1	....	....	....	....
Bubo, inguinal	39	18	19	....	2	....
Burns	12	5	2	....	....	5
Calculus:						
Bladder	2	2	....	....	....	....
Renal	1	....	....	1	....	....
Carbuncle	3	3	....	....	....	....
Carcinoma:						
Bile duct	1	....	....	....	....	1
Bladder	1	....	1	....	....	....
Breast	5	....	3	2	....	....
Cecum	1	....	1	....	....	....
Glands, inguinal (secondary)	1	....	1	....	....	....
Lip	2	....	2	....	....	....
Neck	1	....	1	....	....	....
Orbit (secondary)	1	....	....	....	....	1
Peritoneum (secondary)	1	....	....	....	1	....
Rectum	1	....	1	....	....	....
Stomach	5	....	2	1	....	2
Thyroid	1	....	....	....	....	1
Tongue	2	....	....	....	....	2
Cellulitis	10	3	6	....	....	1
Chancroid	16	8	8	....	....	....
Cholecystitis	1	1	....	....	....	....
Cicatrix, painful	2	2	....	....	....	....
Cleft palate	5	1	2	....	1	1
Club-foot	1	....	1	....	....	....
Coccycodynia	1	1	....	....	....	....
Colitis, mucous	1	....	1	....	....	....
Condyloma	1	1	....	....	....	....
Contracted bladder	1	....	1	....	....	....
Cysts:						
Mesenteric	1	1	....	....	....	....
Spleen	1	1	....	....	....	....
Testicle	1	1	....	....	....	....

STATEMENT OF SURGICAL WARDS—continued.

Diagnosis.	Total number.	Recovered.	Improved.	Not improved.	Not treated.	Died.
Dermoids, post-anal	2	2	....	....	....	....
Dislocations:						
Ankle joint	1	1	....	....	....	....
Elbow	1	1	....	....	....	....
Hip	1	1	....	....	....	....
Shoulder	3	3	....	....	....	....
Tarsal bone	1	1	....	....	....	....
Dysentery, amebic	3	....	3	....	....	....
Ectopia testis	1	1	....	....	....	....
Empyema, antrum of Highmore	1	....	1	....	....	....
Epididymitis	17	....	17	....	....	....
Epilepsy, traumatic	1	....	1	....	....	....
Epulis	1	....	1	....	....	....
Erysipelas	3	2	....	....	....	1
Fibroma (finger)	1	1	....	....	....	....
Fissure, anal	2	2	....	....	....	....
Fistula in ano	2	2	....	....	....	....
Fractures:						
Ankle (Pott's)	1	1	....	....	....	....
Clavicle	2	2	....	....	....	....
Femur	8	5	2	1	....	....
Humerus	2	....	2	....	....	....
Lower jaw	2	....	2	....	....	....
Metacarpal bone	1	1	....	....	....	....
Matatarsal bone	2	2	....	....	....	....
Nasal bone	1	1	....	....	....	....
Patella	2	....	2	....	....	....
Radius, Colles'	2	1	1	....	....	....
Ribs	5	1	4	....	....	....
Scapula	1	....	1	....	....	....
Skull	3	3	....	....	....	....
Tibia and fibula	10	9	1	....	....	....
Ulna	2	2	....	....	....	....
Furunculosis	2	2	....	....	....	....
Gall stones	4	4	....	....	....	....
Goiter:						
Cystic	2	2	....	....	....	....
Exophthalmic	1	....	1	....	....	....
Gonorrhea	11	....	10	1	....	....
Hare-lip	2	2	....	....	....	....
Hemorrhage from umbilical cord	1	....	....	....	....	1
Hemorrhoids	15	10	5	....	....	....
Hernia:						
Femoral	3	3	....	....	....	....
Inguinal	18	16	....	....	2	....
Ventral	1	1	....	....	....	....
Hydrocele:						
Spermatic cord	2	1	....	....	....	1
Tunica vaginalis	4	4	....	....	....	....
Hypernephroma	1	....	1	....	....	....
Hypospadias	1	....	....	1	....	....
Ingrowing toe nail	3	3	....	....	....	....
Intestine, obstruction of	2	1	....	....	....	1
Keloid	2	....	2	....	....	....

STATEMENT OF SURGICAL WARDS—continued.

Diagnosis.	Total number.	Recovered.	Improved.	Not improved.	Not treated.	Died.
Lipoma	3	3	....	....	....	....
Lupus vulgaris	2	....	2	....	....	....
Mastitis, chronic	1	1	....	....	....	....
Mastoiditis, suppurative	1	1	....	....	....	....
Necrosis:						
Cervical vertebra	1	....	1	....	....	....
Clavicle	1	1	....	....	....	....
Frontal bone	1	1	....	....	....	....
Tibia	1	1	....	....	....	....
Neuralgia, trifacial	1	....	1	....	....	....
Not diagnosed	5	....	....	....	5	....
Osteomyelitis, acute	5	....	5	....	....	....
Papilloma of bladder	2	....	1	....	1	....
Peritonitis, general	1	....	....	....	....	1
Pes planus	1	....	1	....	....	....
Prolapsus ani	2	....	2	....	....	....
Prostate, enlarged	4	2	2	....	....	....
Pyelitis	3	....	3	....	....	....
Pyothorax	5	4	....	....	....	1
Ranula	1	1	....	....	....	....
Rheumatism, gonorrheal	3	....	3	....	....	....
Rupture of bladder	1	....	....	....	....	1
Sarcoma:						
Chest	1	....	1	....	....	....
Jaw, upper	3	....	1	1	....	1
Lumbar muscles	1	....	1	....	....	....
Neck	3	....	....	3	....	....
Orbit	1	....	....	....	....	1
Periosteal (femur)	1	....	....	1	....	....
Retroperitoneal	1	....	....	1	....	....
Testicle	3	....	2	1	....	....
Septicemia	1	....	....	....	....	1
Sprain:						
Ankle	1	1	....	....	....	....
Back	6	5	1	....	....	....
Knee	3	2	1	....	....	....
Stricture:						
Pylorus	2	....	2	....	....	....
Rectum	6	....	4	1	....	1
Urethra	33	....	32	....	....	1
Synovitis of ankle	1	....	1	....	....	....
Syphilis	29	....	29	....	....	....
Testicle, stitch sinus of	1	1	....	....	....	....
Tetanus	2	1	....	....	....	1
Tuberculosis:						
Glands of neck	8	....	7	....	1	....
Hip joint	2	....	1	....	....	1
Knee joint	3	....	3	....	....	....
Peritoneum	3	....	2	....	....	1
Ribs	1	....	1	....	....	....
Testicle	2	....	1	....	1	....
Vertebra, cervical	3	....	2	....	....	1
Wrist	2	....	2	....	....	....

STATEMENT OF SURGICAL WARDS—continued.

Diagnosis.	Total number.	Recovered.	Improved.	Not improved.	Not treated.	Died.
Ulcer:						
Duodenum	1	....	....	....	....	1
Colon	1	....	1	....	....	....
Groin	1	....	1	....	....	....
Leg	40	6	31	2	1	....
Perineum, phagedenic	1	....	....	....	....	1
Penis, phagedenic	2	2	....	....	....	....
Rodent of face	1	....	1	....	....	....
Varicocele	5	5	....	....	....	....
Veins, varicose of leg	2	2	....	....	....	....
Whitlow	4	....	4	....	....	....
Wounds:						
Contused	41	28	13	....	....	....
Gunshot	27	9	10	1	....	7
Incised	26	11	13	....	1	1
Infected	13	8	5	....	....	....
Lacerated	7	5	2	....	....	....
Punctured	5	2	3	....	....	....
Stab	6	2	4	....	....	....
Grand total	719	313	327	18	16	45

OPERATIONS IN SURGICAL DEPARTMENT.

Abscesses drained:	
Hepatic	1
Ischio-rectal	2
Miscellaneous	19
Amputations:	
Elbow	1
Finger	1
Foot	1
Penis	1
Seat of Election (leg)	1
Thigh	3
Toe	3
Appendicostomies	3
Appendectomies	54
Aspiration:	
Knee joint	1
Pleural cavity	5
Bubectomies	32
Castrations	5
Cauterizations:	
Anthrax ulcer	1
Chancroid	3
Condyloma	1
Cholecystectomies	4
Cholecystotomies	1
Circumcisions	13
Cleft palates repaired	6
Curettement:	
Ulcer, face	2
Ulcer, leg	2
Cystoscopies	33
Cystotomies, suprapubic	2
Dislocations reduced:	
Ankle	1
Elbow	1
Drainage of:	
Gunshot wound of thigh	1
Hematoma	2
Dressed:	
Incised wound of abdomen	1
Lacerated wound of foot	2
Stab of chest	1
Entero-anastomosis	3
Enterotomy	2
Erasion of knee joint	1
Excisions:	
Aneurism of palmar arch	1
Astragalus	1

OPERATIONS IN SURGICAL DEPARTMENT—continued.

Excisions—continued.	
Breast (Halsted)	5
Coccyx	1
Cyst, globus major	1
Cyst, sebaceous	4
Dermoid, post-anal	2
Elbow joint	1
Epithelioma of cheek	3
Epithelioma of ear	1
Epithelioma of lip	2
Epulis	1
Fibroma	1
Glands, axillary	2
Glands of neck, tuberculous	5
Hip joint	4
Ingrowing toe nail	1
Jaw, upper	3
Keloid	4
Knee joint	2
Lipoma	3
Nevus	1
Papilloma of hand	2
Ranula	1
Rectum (Kraske)	2
Sarcoma, clavicle	1
Sarcoma of orbit	1
Sinus of testicle	1
Sterno-clavicular joint	1
Stomach, partial	1
Tissue for examination	4
Tongue	1
Ulcer, lupus	2
Varicose veins of leg	3
Wrist joint	2
Extracted bullets	4
Fistula in ano, incised	4
Fractures, wired:	
Clavicle	1
Humerus	1
Mandible	1
Patella	1
Radius	1
Gastro-enterostomies	6
Hammond splint applied (lower jaw)	1
Hare-lip, repaired	2
Hemorrhoidectomies	10
Hydrocele, radical cure of	5
Hypospadias, repaired	2
Laparotomy, exploratory	10

OPERATIONS IN SURGICAL DEPARTMENT—continued.

Ligation of:	
External carotid	2
Umbilical vessels	1
Lithotomy, perineal	1
Manipulation of:	
Ankylosed finger	1
Ankylosed knee	1
Ankylosed wrist	1
Mastoid operation	2
Miscellaneous	8
Nephrectomy	2
Nephropexy	1
Nephrotomy	2
Neurorraphy	1
Paracentesis abdomnis	2
Prostatectomies, suprapubic	2
Pyothorax, drained	4
Repaired:	
Lacerated lip	1
Ruptured bladder	1
Typhoid perforation of intestine	2
Sequestrectomy	6
Skin grafting	4
Stricture of rectum, dilated	9
Suture of incised wounds	4
Talipes equino-varus, Phelps' operation for	1
Thyroidectomies, partial	3
Tenorraphy	2
Trachéotomy	1
Trephine of skull	3
Urethrotomies:	
External	11
Internal	17
Varicocele, radical cure	5
Grand total	437

EYE CASES—INDOOR.

Diagnosis.	Total number.	Recovered.	Improved.	Not improved.	Not treated.	Died.
Cataract, capsular	4	3	1	....	....	....
Cataract, double	1	1	....	....	....	....
Cataract, senile	4	3	1	....	....	....
Cataract, single	3	3	....	....	....	....
Conjunctivitis, acute catarrhal	2	2	....	....	....	....
Conjunctivitis, chronic catarrhal	1	1	....	....	....	....
Cornea, ulcer of	4	2	2	....	....	....
Choroiditis, exudative	1	....	1	....	....	....
Glaucoma	1	....	....	....	1	....
Iritis, acute	4	1	3	....	....	....
Iritis, syphilitic	3	1	2	....	....	....
Iritis, traumatic	1	1	....	....	....	....
Lens, dislocation of	1	1	....	....	....	....
Ophthalmia neonatorum	2	2	....	....	....	....
Optic atrophy	1	....	1	....	....	....
Pterygium	1	1	....	....	....	....
Staphyloma of sclera	2	....	2	....	....	....
Tarsitis	1	....	....	....	1	....
Trachoma	6	5	....	....	1	....
Total	43	27	13	....	3	....

EAR, NOSE AND THROAT CASES—INDOOR.

Diagnosis.	Total number.	Recovered.	Improved.	Not improved.	Not treated.	Died.
Adenoids, post-nasal, chronic	10	10	....	....	....	....
Laryngitis, syphilitic	1	....	1	....	....	....
Mastoiditis, acute suppurative	3	3	....	....	....	....
Otitis media, acute	3	3	....	....	....	....
Otitis media, chronic catarrhal	1	....	1	....	....	....
Pharyngitis, acute	1	1	....	....	....	....
Tonsillitis, chronic hypertrophic	14	14	....	....	....	....
Tonsillitis, chronic lacunar	1	1	....	....	....	....
Total	34	32	2	....	....	....

OPERATIONS IN EYE, EAR, NOSE AND THROAT DEPARTMENT.

Adenoids, removal of	10
Cataract, double, extraction of	1
Cataract, single, extraction of	6
Cataract, post-operative, needling of	4
Corneal ulcer, cauterization of	1
Cornea, paracentesis of	1
Eye, enucleation of	2
Iridectomy	5
Mastoid operation, complete	3
Pterygium, removal of	2
Tonsillectomy, double	13
Trachoma, expression operation	5
Total	53

STATEMENT OF GYNECOLOGICAL AND OBSTETRICAL WARDS.

Diagnosis.	Total number.	Recovered.	Improved.	Not improved.	Not treated.	Died.
Abortion:						
Incomplete, early	14	12	2	....	....	....
Incomplete, late	5	4	1	....	....	....
Adhesions, pelvic	4	....	3	1	....	....
Abscess:						
Bartholin's gland	2	1	1	....	....	....
Pelvic	2	....	1	....	....	1
Stitch	3	2	1	....	....	....
Births	46	46	....	....	....	....
Cervix uteri:						
Carcinoma of	5	1	3	1	....	....
Conical	2	1	1	....	....	....
Laceration of	3	1	2	....	....	....
Septic	1	....	1	....	....	....
Stenosis of	1	....	1	....	....	....
Condylomata of vulva	3	....	3	....	....	....
Cystitis, gonorrheal	1	....	1	....	....	....
Cyst, dermoid	1	1	....	....	....	....
Cyst of bread ligament	1	1	....	....	....	....
Cystocele	1	....	1	....	....	....
Dysmenorrhea	4	1	3	....	....	....
Eclampsia	2	2	....	....	....	....
Endocervicitis	1	1	....	....	....	....
Endometritis:						
Atrophic	1	....	1	....	....	....
Fungoid	14	8	6	....	....	....
Gonorrheal	13	8	5	....	....	....
Hypertrophic	3	2	1	....	....	....
Septic	6	2	4	....	....	....
Simple	10	7	3	....	....	....

STATEMENT OF GYNECOLOGICAL AND OBSTETRICAL WARDS—continued.

Diagnosis.	Total number.	Recovered.	Improved.	Not improved.	Not treated.	Died.
Gummata of pelvis	1	....	1	....	....	....
Hemorrhage, post-partum	1	1	....	....	....	....
Hernia, ventral	1	1	....	....	....	....
Hydrosalpinx	2	1	1	....	....	....
Labium, soft fibroma of	1	1	....	....	....	....
Menopause	1	....	1	....	....	....
Menorrhagia	4	2	2	....	....	....
Metrorrhagia	3	1	2	....	....	....
Ovary:						
Carcinoma of	2	....	....	2	....	....
Cystic	19	13	5	1	....	....
Fibroid	9	5	4	....	....	....
Prolapsed	5	2	2	1	....	....
Ovaries:						
Cystic	7	7	....	....	....	....
Degenerated	1	1	....	....	....	....
Parovarium, cyst of	1	1	....	....	....	....
Perineum, extensive laceration of	12	10	2	....	....	....
Perineum, complete laceration of	1	1	....	....	....	....
Peritonitis	1	....	1	....	....	....
Pregnancies	58	45	11	1	....	1
Pregnancy, ectopic	1	1	....	....	....	....
Puerperal infection	1	....	....	....	....	1
Pyosalpinx, double	17	13	3	....	....	1
Rectocele	1	1	....	....	....	....
Recto-vaginal fistula	5	....	4	1	....	....
Subinvolution	1	1	....	....	....	....
Salpingitis:						
Chronic	3	2	1	....	....	....
Chronic, interstitial	7	2	5	....	....	....
Double	6	5	1	....	....	....
Single	5	1	4	....	....	....
Ulcers:						
Chancroidal of vagina	2	....	2	....	....	....
Chancroidal of cervix	1	....	....	1	....	....
Syphilitic	2	....	2	....	....	....
Urethra, caruncle of	1	1	....	....	....	....
Urethritis, gonorrheal	3	....	3	....	....	....
Uterus:						
Anteflexion of	3	....	3	....	....	....
Carcinoma of	5	2	1	1	....	1
Fibroma of	35	29	5	1	....	....
Hyperplastic	1	1	....	....	....	....
Myomata of	1	1	....	....	....	....
Prolapse of, complete	1	1	....	....	....	....
Prolapse of, partial	1	1	....	....	....	....
Retroflexion of	3	1	2	....	....	....
Retroversion of	11	4	6	1	....	....
Sarcoma of	1	....	....	1	....	....
Septic	1	....	....	1	....	....
Vaginitis, gonorrheal	14	6	6	2	....	....
Vaginitis, simple	1	....	1	....	....	....
Total	413	266	126	16	....	5

OPERATIONS IN GYNECOLOGICAL DEPARTMENT.

Abscess:	
Pelvic, drained through vagina	1
Stitch, post-operative, incised	3
Caruncle, urethral, excised	2
Cervix uteri:	
Amputation of	1
Stenotic, dilated	2
Condylomata of vulva, cauterized	2
Condylomata of vulva, removed	1
Curettage:	
Endometritis, fungoid	23
Endometritis, gonorrheal	14
Endometritis, septic	12
Endometritis, simple	11
Incomplete abortion	12
Examinations for diagnosis	28
Fibroma of uterus, enucleated	2
Fibroma of vulva, removed	1
Hernia, abdominal, post-operative	1
Hysterectomy, vaginal	2
Labor induced, premature	2
Laparotomies:	
Caesarean section	1
Enucleation of fibroid	1
Hysterectomy	8
Hystero-salpingo-oophorectomy	29
Pan-hysterectomy	3
Oophorectomy, single	10
Salpingectomy, double	7
Salpingectomy, single	4
Salpingo-oophorectomy, double	17
Salpingo-oophorectomy, single	9
Suspension of uterus, Alexander's operation	1
Suspension of uterus, Gilliam's operation	1
Ventro-suspension of uterus	7
Perineorrhaphy	3
Perineorrhaphy (Emmet's operation)	7
Recto-vagina fistula, repair of	7
Trachelorrhaphy	3
Total	238

SUMMARY OF OUT-DOOR CLINICS.

Summary of out-door clinics.	New cases.	Old cases.	Total consultations.
Gynecological cases in out-door clinic	818	857	1675
Surgical cases in out-door clinic	1,946	3,440	5,386
Medical cases in out-door clinic	1,935	1,523	3,458
Eye cases in out-door-clinic	407	689	1,096
Ear, nose and throat cases in out-door clinic	308	593	901
Total	5,414	7,102	12,516

GENERAL SUMMARY.

General summary.	Total number.	Recovered.	Improved.	Not improved.	Not treated.	Died.
Total medical cases in wards	465	162	189	29	5	80
Total nervous cases in wards	88	3	42	33	1	9
Total in medical service	553	165	231	62	6	89
Total surgical cases in wards	719	313	327	18	16	45
Total eye, ear, nose and throat cases in wards	77	59	15	.....	3	.....
Total obstetrical and gynecological cases in wards	413	266	126	16	.....	5
Total number of in-door cases	1,762	.....	.....	.....	.....	.....
Total number of new cases in out-door clinics	5,414	.....	.....	.....	.....	.....
Grand total	7,176	.....	.....	.....	.....	.....
Total operations in surgical service	437	.....	.....	.....	.....	.....
Total operations in gynecological service	238	.....	.....	.....	.....	.....
Total operations in eye, ear, nose and throat service	77	.....	.....	.....	.....	.....
Average number of in-door patients per day	115	.....	.....	.....	.....	.....
Average number of out-door patients per day	40	.....	.....	.....	.....	.....

ROSTER OF SCHOOL OF MEDICINE.

FRESHMAN CLASS 1910-1911.

Hour.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9 a. m.	Anatomy, B. Lab. of Histology, A.	Anatomy, A. Lab. of Histology, B.	Anatomy, B. Lab. of Histology, A.	Anatomy, A. Lab. of Histology, B.	Anatomy, B. Lab. of Histology, A.	
10 a. m.						
11 a. m.	Anatomy, A. Lab. of Biology, Histology and Embryology, B.	Anatomy, B. Lab. of Biology, Histology and Embryology, A.	Anatomy, A. Lab. of Biology, Histology and Embryology, B.	Anatomy, B. Lab. of Biology, Histology and Embryology, A.	Anatomy, A. Lab. of Histology, B.	Lab. of Pharmacy, 1st half term. Physiological Lab., 2nd half term.
12 m.						
2 p. m.	Chemical Laboratory.	Biology and Embryology, one-third term each.	Chemical Laboratory.	Biology and Embryology, one-third term each	Lab. of Pharmacy, 1st half term. Physiological Lab., 2nd half term.	
3 p. m.		Histology.		Histology.		
4 p. m.	Physiology, 2nd half term.	Chemistry.	Materia Medica.	Materia Medica.		
5 p. m.	Physics, 1st half term.	Physiology, 2nd half term.	Physics, 1st half term.		Chemistry.	

SOPHOMORE CLASS, 1910-1911.

Hour.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9 a. m.	Anatomy, B. Pathol. Lab., A.	Anatomy, A. Pathol. Lab., B.	Anatomy, B. Pathol. Lab., A.	Anatomy, A. Pathol. Lab., B.	Pathology.	Chemical Laboratory.
10 a. m.					Physiology.	
11 a. m.	Anatomy, A and B.	Anatomy, B. Physiol. Lab., A.	Anatomy, A. Physiol. Lab., B.	Anatomy, B. Physiol. Lab., A.	Anatomy, A. Physiol. Lab., B.	Bacteriology, one-third term. Lab. of Pathology. one-third term.
12 m.						
2 p. m.	Bacteriology and Pharmaco-dynamics, one-third term each. [See special roster.]	Bacteriology and Pharmaco-dynamics, one-third term each. [See special roster.]	Bacteriology, Physical Diagnosis, and Pharmaco-dynamics, one-third term each. [See special roster.]	Bacteriology, Physical Diagnosis, and Pharmaco-dynamics, one-third term each. [See special roster.]	Chemical Laboratory.	
3 p. m.						
4 p. m.	Therapeutics.	Therapeutics.	Physiology.	Minor Surgery.	Bacteriology, one-third term. Lab. of Pathology, one-third term.	
5 p. m.	Physiology.	Chemistry.	Pathology.	Chemistry.		

JUNIOR CLASS, 1910-1911.

Hour.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
8 a. m.	Medical Jurisprudence.	Dermatology	Ophthalmology.	Diseases of Ear, Nose, and Throat.	Medical Jurisprudence.	Demonstrations in Surgical Pathology.
9 a. m.	Surgical Clinic.	Medical Clinic.	Surgical Clinic.	Medical Clinic.	Surgical Clinic.	
10 a. m.		Lab. Clin. Med., Surgical Ward Class, 1 Section each.		Lab. Clin. Med., Surgical Ward Class, 1 Section each.		Medical Ward Class, Surgical Ward, class, Lab. Clin. Med., 1 Section each.
11 a. m.	Special Pathology.		Lab. of Pharmacy, one-half term. Lab. of Pathology, one-half term.		Special Pathology.	
12 m.	Hygiene, one-half term.			Surgical Anatomy.	Lab. of Pathology, Lab. of Pharmacy, 1 Section each.	
2 p. m.	Medical Ward Class.	Nervous and Mental Diseases.	Demonstration in Obstetrics.	Nervous Diseases Clinic.	Surgical Anatomy.	
3 p. m.	Dietetics, one-half term.	Surgery.	Medicine.	Surgery.		
4 p. m.	Therapeutics.	Therapeutics.	Dietetics, one-half term.	Medical Ward Class.	Obstetrics.	
5 p. m.	Genito-Urinary Diseases.	Hygiene, one-half term.	Pediatrics.	Obstetrics.	Medicine.	

SENIOR CLASS, 1910-1911.

Hour.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
8 a. m.	Medical Jurisprudence, first two-thirds of term.	Dermatology.	Ophthalmology.	Diseases of Ear, Nose, and Throat.	Medical Jurisprudence, first two-thirds of term.	Case Taking (Medical Ward) and Laboratory of Clinical Medicine.
9 a. m.	Operative Surgical Clinic.	Medical Clinic.	Operative Surgical Clinic.	Medical Clinic.	Operative Surgical Clinic.	
10 a. m.		Gynecological Clinic.		Gynecological Clinic.		Operative Gynecological Clinic.
11 a. m.	Special Pathology.	Pediatric Clinic or Case Taking.	Gynecology.	Gross Morbid Anatomy.	Special Pathology.	
12 m.	Outdoor Clinics.	Outdoor Clinics.	Outdoor Clinics.	Outdoor Clinics.	Outdoor Clinics.	Outdoor Clinics.
2 p. m.	Clinic in Otology, etc.	Nervous and Mental Diseases.	Clinic in Ophthalmology.	Nervous Diseases Clinic.	Clinic in Ophthalmology.	
3 p. m.	Medical Ward Class.	Medical Ward. Class.	Medicine.	Case Taking Medical Ward.	Operative Surgery.	
4 p. m.	Demonstration in Obstetrics.	Surgery.	Gross Morbid Anatomy.	Surgery.		
5 p. m.	Obstetrics.	Obstetrics.	Pediatrics.	Clinic in Otology, etc.	Medicine.	

SPECIAL ROSTER FOR CLASS SECTIONS, 1910-1911.

THE FRESHMAN CLASS is divided into two sections (A and B) for practical work in the laboratory of Anatomy and in the laboratory of Biology, Histology, and Embryology. Each section attends periods of two hours in these laboratories, as shown by the major roster.

THE SOPHOMORE CLASS is divided into two sections (A and B) for practical teaching in the laboratories. The major roster shows the arrangement for work in the laboratories of Anatomy, Pathology, and Physiology. For laboratory exercises in Bacteriology, Physical Diagnosis, and Pharmaco-dynamics, the following special roster will be followed·

SECTION A.			SECTION B.		
Bacteriology.	Physical Diagnosis.	Pharmaco-dynamics.	Bacteriology.	Physical Diagnosis.	Pharmaco-dynamics.
Mon. to Sat. incl., two hours daily, Oct. 3 to Dec. 14, 1910.	Wed. and Thurs., 2–4 p. m., Jan. 3 to Mar. 2, 1911.	Tues., Wed., and Thurs., 2–4 p. m., Mar. 13 to May 11, 1911.	Mon. to Sat. incl., two hours daily, Jan. 3 to Mar. 3, 1911.	Wed. and Thurs., Oct. 3 to Dec. 14, 1910.	Tues., Wed., and Thurs., 2–4 p. m., Mar. 13 to May 11, 1911.

THE JUNIOR CLASS is divided into three sections (A, B and C) for instruction in the laboratory of Clinical Medicine and Surgical Ward Classes. When not thus engaged, the members of the class attend clinics in Surgery, Medicine, and Gynecology, as shown by the major roster. The following special roster will be followed:

DEPARTMENT	October 3 to December 10, 1910.	December 12, 1910, to March 4, 1911.	March 6 to May 13, 1911.
Lab. Clinical Medicine, Tues., Thurs., and Saturdays.	A	B	C
Surgical Ward Classes, Tuesdays, Thursdays, and Saturdays.	B	C	A

THE SENIOR CLASS is divided into three sections (A, B, and C) for work in the three departments of the Outdoor Clinics from 12 to 1 p. m. daily, except Sundays, as shown in the subjoined roster:

DEPARTMENT OF	Oct. 3, 1910, to Dec. 8, 1910.	Dec. 9, 1910, to March 2, 1911.	March 3 to May 9, 1911.
Medicine	A	C	B
Surgery	B	A	C
Gynecology	C	B	A

TEXT-BOOKS

First Year

Anatomy: Cunningham's *Text-Book of Anatomy* ($6.00); Morris's *Human Anatomy* ($6.00); Piersol's *Anatomy* ($7.50); Gray's *Anatomy* ($6.00); Cunningham's *Dissector's Guide* ($5.00); Atlases: Spalteholz, translated by Barker ($10.00); Sobotta and McMurrich.

Physiology: Howell's *Text-Book* ($4.00); Stewart's *Manual of Physiology* (5th ed.) ($3.75); Rockwood's *Manual of Physiological Chemistry* ($1.00); Hammarsten's *Physiological Chemistry,* translated by Mandel ($4.00); Simon's *Physiological Chemistry* ($3.25); Beddard, Elkins, Hill, Macleod, and Pembrey's *Practical Physiology* ($5.00).

Chemistry: Simon's *Manual of Chemistry* ($3.00); Garbade's *Laboratory Manual of Inorganic Chemistry* ($1.50).

Physics: Page's *Elements of Physics* ($1.25); Daniell's *Physics for Medical Students* ($1.25); Gage's *Physics* ($1.30).

Materia Medica and Therapeutics: H. C. Wood's *Therapeutics* ($5.00); Cushny's *Pharmacology and Therapeutics* ($3.75); *United States Dispensatory* ($7.00); Thornton's *Prescription Writing* ($1.25).

Biology: Campbell's *Elementary Biology* ($1.60); Braun's *Animal Parasites of Man* ($5.00).

Histology: Böhm, Davidhoff, and Huber ($3.50); Bailey ($3.00); Piersol ($3.50); Stöhr ($3.00); Ferguson ($3.50).

Embryology: Bailey and Miller's *Embryology* ($4.50; Heisler ($2.50); Reese's *Introduction to Invertebrate Embryology* ($1.40); Foster and Balfour ($2.60); McMurrich ($3.00).

Lexicon: Gould's *Student's* ($2.50); Dorland ($4.50); Thomas ($3.00); Gould's *Illustrated* ($10.00).

Second Year

Anatomy: Same as above.

Physiology: Howell ($4.00); Stewart ($3.75); Tigerstedt ($4.00); Ott ($3.00); Foster (Am. ed.) ($4.50); *American Text-Book of Physiology* ($6.00); Beddard's *Practical Physiology* ($5.00).

Chemistry: Austin's *Manual of Clinical Chemistry* ($1.75); Ko-

bert's *Toxicology for Physicians* ($2.50); Dwight's *Toxicology* ($1.00); Holland's *Medical Chemistry and Toxicology* ($3.00).

Therapeutics: Same as in first year.

Surgery: Wharton's *Manual of Minor Surgery* ($3.00).

Pathology: Ziegler's *General Pathology* (10th ed.) ($5.00); Adami's *General Pathology* ($6.00); Mallory and Wright's *Pathologic Technique* ($3.00).

Bacteriology: Smith's *Laboratory Exercises in Bacteriology* ($1.50); McFarland's *Text-book of Pathogenic Bacteria* ($3.50); Chester's *Determinative Bacteriology* ($2.60).

Lexicon: Same as in first year.

Third and Fourth Years

Anatomy: Treves's *Surgical Applied Anatomy* ($2.00); Woolsey ($5.00); McLachlan's *Applied Anatomy*, 2 vols. ($6.00); Campbell's *Surgical Anatomy* ($5.00).

Therapeutics: Same as above; Coblentz's *Treatise on Pharmacy* ($3.50).

Dietetics: Hutchison ($5.00); Yeo ($2.50); Thompson ($5.00).

Practice of Medicine: Osler ($5.50); Tyson (4th ed.) ($5.50); Strümpell ($6.00); Anders ($5.50); Hare ($6.50); Cabot's *Physical Diagnosis* ($2.50); Butler's *Diagnostics of Internal Medicine* ($6.00); Musser's *Medical Diagnosis* ($6.50); Da Costa's *Physical Diagnosis* ($3.50); Wood's *Chemical and Microscopical Diagnosis;* Simon's *Clinical Diagnosis* ($4.00); Van Valzah and Nisbet's *Diseases of the Stomach* ($3.50).

Surgery: Rose and Carless's *Manual of Surgery* ($5.00); Da Costa's *Modern Surgery* ($5.00); Treves's *Student's Handbook of Surgical Operations* ($2.50); Binnie's *Operative Surgery* ($3.00); Bickham's *Operative Surgery* ($6.00); Tillman's *Surgery and Surgical Pathology* ($5.00); Jacobson and Rowland's *The Operations of Surgery*, 2 vols. ($10.00); Bowlby's *Surgical Pathology* ($2.00); Berg's *Surgical Diagnosis* ($3.25); Mummery's *The After-Treatment of Surgical Operations* ($2.00).

Gynecology: Ashton ($6.50); Reed ($5.00); Penrose (5th ed.) ($3.75); Kelly ($15.00); Montgomery (2nd ed.) ($5.00).

Obstetrics: Hirst's *Text-Book of Obstetrics* (4th ed.) ($5.00); *American Text-Book of Obstetrics* (2nd ed.) ($7.00); Edgar's *Prac-*

tice of Obstetrics (2nd ed.) ($6.00); Webster's *Text-Book of Obstetrics* ($5.00).

Pathology: Same as above; Stengel's *Pathology* ($5.00); Delafield and Prudden's *Pathology* ($5.50); Lazarus-Barlow's *Pathologic Anatomy* ($6.50); *American Text-Book of Pathology* ($7.50).

Nervous and Mental Diseases: Church and Peterson's *Nervous and Mental Diseases* ($5.00); Kraeplin's *Clinical Psychiatry* ($3.50); Clouston's *Mental Diseases* ($4.25); Starr's *Organic and Functional Nervous Diseases* ($6.00); Collins's *Treatment of Nervous Diseases* ($5.00); Oppenheim's *Nervous Diseases* ($5.00).

Diseases of Children: Holt's *Diseases of Infancy and Childhood* ($6.00); Kerley's *Treatment of Diseases of Children* ($5.00); Chapin and Pisek's *Pediatrics* ($5.00); Rotch's *Pediatrics* ($6.00); Ashby and Wright's *Diseases of Children* ($3.50); Koplik's *Diseases of Infancy and Childhood* ($5.00); Chapin's *Infant Feeding* ($2.25); Thomson's *Clinical Examination and Treatment of Sick Children* ($3.50).

Diseases of the Skin: Stelwagon (4th ed.) ($6.00); Pusey ($6.00); Schamberg ($3.00); Jackson ($2.75); Walker ($3.00); Shoemaker ($5.00); Crocker ($5.00); Jamison ($6.00); MacLeod's *Pathology of the Skin* ($3.75).

Venereal Diseases: White and Martin ($6.00); Hayden ($1.75); Lydston ($5.00); Morton ($3.00).

Ophthalmology: May's *Diseases of the Eye* ($2.00); de Schweinitz's *Diseases of the Eye* ($5.00).

Diseases of Ear, Nose, and Throat: Gleason ($2.50); Bosworth's *Diseases of the Nose and Throat* ($4.50).

Medical Jurisprudence: Reese ($3.00); Taylor's *Medical Jurisprudence* ($4.50); Peterson and Haines's *Legal Medicine and Toxicology*, 2 vols. ($5.00 each).

Hygiene: Harrington's *Practical Hygiene* ($4.25); Louis C. Parke's *Practical Hygiene* ($4.00); Egbert's *Hygiene and Sanitation* ($2.25); Bergey's *Principles of Hygiene* ($3.00); Notter and Firth's *Manual of Hygiene* ($1.25); Abbot's *Hygiene of the Transmissible Diseases* ($2.50).

Lexicon: Same as in first year.

NOTE.—In the above list of text-books, the price noted in parenthesis is that of the cheapest named edition in each case, as

a rule bound in cloth. In each case only the latest edition should be purchased. Sheep binding will cost about fifty cents or a dollar more than the price quoted. The student is urged to procure for himself at least one text-book upon each subject. In some instances choice between several authors is left with the student; in such cases the work preferred is usually named first.

DEGREES

At the commencement exercises held at the completion of the eighteenth regular session, May 29, 1909, the following candidates were granted the degree of Doctor of Medicine:

Badt, Morris Benjamin
Bergfeld, Arthur W. C.
Boerner, Morris Hirshfeld
Brown, Lovell Columbus
Cade, Charles Craig
Cain, William Roy
Callaway, Emmett E.
Cline, Raoul Rene Daniel
Collins, John Sylvester
Cotham, Christian Malford
Crumpler, Walter Emmett
Cummings, William Jackson
Dunning, William Townsend
Dupree, Wilbur Abney
Ferrell, Hubert
Fortson, John Lake
Franklin, James William
Garrett, Henry Spurgen
Glover, George Edward
Hill, Charles Cummings
Hoecker, Wade Lee
Key, Harry Haden
Kirkham, Harold Laurens Dundas
Lancaster, Edgar Henry
Logue, Lyle James
McKnight, William Cozby
Odom, James Anderson
Peters, Leopold Joseph
Richards, William F.
Ross, H. Albertus
Schilling, John Gaillard
Sherrin, Jennie Aloysius
Smith, Benjamin Clinton
Smith, Cecil Zacheus
Swearingen, Mercer
Vaughan, John Herschel
Williamson, Drue Baldwin, Jr.

HOSPITAL APPOINTMENTS

Upon the results of the final examinations at the close of each session, four resident physicians are selected from the members of the graduating class to serve as internes in the John Sealy Hospital. Occupants of these positions receive their board, washing, and lodging free, and enjoy superior opportunities for acquiring

practical experience in the different departments of medicine and surgery. The term of service is for one year.

Interneships in several other hospitals in the State are open to the members of the graduating class of the Medical School, and the appointments are made either according to the class standing in the final examinations in the University, or by a special competitive examination.

The following members of the class which graduated in 1909 have been appointed resident physicians in the hospitals named:

John Sealy Hospital, Galveston

L. J. LOGUE. JOHN G. SCHILLING.
W. T. DUNNING. M. B. BADT.

St. Mary's Infirmary, Galveston

W. L. HOECKER. D. B. WILLIAMSON, JR.
G. E. GLOVER.

St. Joseph Infirmary, Houston

H. H. KEY. H. L. D. KIRKHAM.

Santa Rosa Infirmary, San Antonio

C. C. CADE.

Cotton Belt Hospital, Texarkana

HUBERT FERRELL.

Houston Infirmary, Houston

A. W. C. BERGFELD.

International and Great Northern Ry. Hospital, Palestine

W. R. CAIN.

ASSOCIATIONS

The Alumni Association

The Alumni Association of the Medical Department of the University of Texas, as a branch of the General Alumni Association of the University, has been in existence for a number of years, and has as its object the consideration and active prosecution of plans

for the betterment of the School in such ways as the alumni are able to devise. It is open to the graduates of any of the Schools of the Medical Department. It meets twice a year, once during the last week of the college term, upon a date assigned by its officers, and once during the annual meeting of the State Medical Association.

The Students' Council

The Students' Council is an organization of the students of the institution, having as its object the mutual betterment of its members and the consideration and prosecution of such school matters as may properly be undertaken by the student body. Under its auspices is published *The University Medical*, a monthly medical journal; and it is likewise the basis of organization of such bodies as the Students' Coöperative Book Store and the University Dining Club, although these in their special work act independently of the parent society.

Students' Y. M. C. A.

The Students' Y. M. C. A. conducts a religious devotional service every Sunday afternoon during the session. Its object is to better the religious life of the student body. From time to time prominent men from the city are invited to address the meetings.

EXPENSES

Each student on entering the Department of Medicine is required to pay a University Matriculation Fee of thirty dollars. This fee is paid but once, and is not required after the first term of attendance. If it has been paid in any other Department of the University, it is not again required in the Medical Department. Other fees are in the nature of laboratory fees (to pay for material used by the student in laboratory exercises), and laboratory and library deposits.

Instead of making separate deposits for each of the laboratories, one general deposit will be required each year to cover all loss, breakage, or damage to apparatus, books, or other equipment of the institution. These deposits are intended to cover the value of apparatus entrusted to each student in the laboratories or of books withdrawn by the student from the library. At the close of the

session, on return of apparatus in good condition, these deposits are returned to the student. Articles of apparatus or books not thus returned are charged against the deposits, their cost to the institution deducted therefrom, and the balance returned to the student. When the value of such broken or unreturned property of the School is greater than the deposit, a special charge is made to replace the article in question.

A library fee of one dollar will be deducted from the library deposit made by each student at the beginning of the session. This will be used to cover the expense of wear and tear of the books and for binding journals, books, etc.

Students who matriculate after the registration days (September 28, 29, 30, and October 1, 1910) will be required to pay a fine of $3.00.

The following list of expenses will indicate the items and total payments required each year, the items of deposit being returnable from the annual total, in accordance with the above explanation:

FIRST YEAR.

Matriculation fee (payable once only)		$30.00
Laboratory fee in Chemistry	$ 5.00	
Laboratory fee in Physiology	5.00	
Laboratory fee in Anatomy	10.00	
Laboratory fee in Histology (including Biology)	5.00	
Laboratory fee in Pharmacy	5.00	
Total laboratory fees		30.00
Deposit for library, laboratories, etc. (returnable as explained above)		15.00
Total payment upon matriculation		$75.00

SECOND YEAR.

Laboratory fee in Chemistry	$ 5.00	
Laboratory fee in Pathology	5.00	
Laboratory fee in Physiology	5.00	
Laboratory fee in Anatomy	10.00	
Laboratory fee in Bacteriology	5.00	
Total laboratory fees		$30.00
Deposit for library, laboratories, etc. (returnable as explained above)		20.00
Total payment upon matriculation		$50.00

THIRD YEAR.

Laboratory fee in Clinical Medicine	5.00	
Laboratory fee in Pathology	5.00	
Laboratory fee in Pharmacy	5.00	
Laboratory fee in Surgical Anatomy	5.00	
Total laboratory fees		$20.00
Deposit for library, laboratories, etc. (returnable as explained above)		12.50
Total payment upon matriculation		$32.50

FOURTH YEAR.

Laboratory fee in Operative Surgery	5.00	
Deposit for library, laboratories, etc. (returnable as explained above)	5.00	
Total payment upon matriculation		$10.00

Graduate physicians are permitted to join the class without payment of any fee unless in competition for the degree, except where laboratory courses are undertaken, when the usual fee named above is required for each course as elected.

Board

The cost of living will vary with the views of students. Good board, including room, light, and fuel, can be had at prices ranging from $15.00 to $20.00 per month.

Women students of Medicine and Pharmacy are furnished rooms in University Hall at a cost of $5.00 per month. Women students can get good table board in University Hall at a cost of $12.00 to $13.00 per month.

The University Dining Club is an organization of about 130 to 140 members, the object of which is to furnish good meals on the co-operative plan at a minimum cost. At present this club rents a hall two squares from the College, and good table board is furnished at a cost of about $12.00 per month.

Students are advised to go directly to the College Building, Strand, between Ninth and Tenth Streets, on their arrival in the city. The Provost will be on hand, and will take pleasure in furnishing all necessary information and aid to students desiring to obtain board.

Letters requesting information as to the curriculum, or requests for catalogues, should be addressed to President S. E. Mezes, or to Dr. W. S. Carter, Dean, Medical Department of the University of Texas, Galveston, Texas. Business communications should be addressed to Thomas H. Nolan, Provost, Medical Department of the University of Texas, Galveston, Texas.

SCHOOL OF PHARMACY

ANNOUNCEMENT FOR EIGHTEENTH ANNUAL SESSION

The School of Pharmacy was inaugurated with the opening of the session of 1893-1894, in connection with the School of Medicine, in the College Building of the Medical Department. The present session began on October 1, 1909, and will close on May 31, 1910. The eighteenth annual session will begin on October 1, 1910, and will continue for eight months.

The instruction is conducted by the teaching staff of the chairs of Materia Medica and Therapeutics, Physiology, Bacteriology, and of Chemistry and Toxicology, in connection with that given the classes in Medicine, and by the Professor of Pharmacy and the Demonstrator of Botany and Pharmacy. In addition, instruction is given in Organic and Pharmaceutical Chemistry by the Professor of Chemistry.

The accommodations of the School are the same as those described in the Catalogue of the School of Medicine, page 11. The Laboratory of Pharmacy occupies the east end of the basement of the College Building, which is well adapted to the purpose, being well lighted and supplied with all the forms of apparatus required for the teaching of this important branch. The Chemical Laboratory occupies the west end of the basement of the building. It accommodates about two hundred and seventy-five working desks or tables, and is supplied with a full stock of chemicals and apparatus for demonstration and practical work by individual members of the class. The laboratory course in vegetable histology and microscopic pharmacognosy is given in the Laboratory of Botany, which is equipped with microscopes for teaching this subject by practical exercises to small sections of the class.

REQUIREMENTS FOR ADMISSION

Men and women are admitted to the School of Pharmacy under equal conditions. The requirements for admission are as follows:

1. Age

Candidates are required to be at least 17 years old, and if under 21 years of age, to present written evidence of permission to matriculate from the parent or guardian.

2. Character

Candidates are required to present testimonials of good character from two reputable and responsible persons, preferably physicians or pharmacists.

3. Vaccination

Each candidate must present evidence of having been vaccinated at a date sufficiently recent to insure immunity against smallpox, or be vaccinated at the time of matriculation.

4. Scholarship

Candidates are required to present evidence of having had sufficient preliminary education to undertake the work of the course.

A. ADMISSION WITHOUT EXAMINATION

a. Graduates and Students from Other Institutions

The following persons are admitted to the School of Pharmacy without examination: (1) graduates and students from other approved colleges and universities; (2) students from other departments of this University; (3) students and graduates of the Texas Agricultural and Mechanical College; (4) graduates of the Texas State Normal Schools; (5) persons holding first-grade teachers' certificates of the Texas public-school system; (6) graduates of affiliated schools.

b. Individual Approval

Candidates over 21 years of age may be admitted upon personal approval by the Dean and the Examining Committee, provided they furnish satisfactory evidence of having had a preliminary education equivalent to that required for admission by examination, so that they are able to profit by the work undertaken.

B. ADMISSION ON EXAMINATION

Candidates who do not meet the conditions named above will be required to pass an examination in the following subjects:

1. *English.* Proficiency in orthography, grammar, rhetoric, and composition will be determined by requiring the candidate to write a short essay upon some assigned subject.

2. *History.* The questions cover General History, the History of the United States, and the History of Texas.

3. *Mathematics.* The questions are given on (a) Arithmetic, (b) Algebra (through quadratic equations), and (c) Plane Geometry.

Instead of Geometry one year's work in Physics, Latin, German or French may be offered as an equivalent.

ADMISSION TO ADVANCED STANDING

Students who have attended one full course of lectures in a recognized school of pharmacy may be admitted to the second year of the course upon passing satisfactory examinations upon the physics of pharmacy, processes of manufacture and the chemical constituents of the official inorganic compounds, pharmaceutical preparations of crude drugs, general inorganic chemistry, physics, chemical physiology, bacteriology, materia medica, and botany, including vegetable histology.

EXAMINATION AND CLASS STANDING

The rules governing examinations, class standing, exemptions, and promotions are the same as in the School of Medicine (see page 18), except that students in the School of Pharmacy are not allowed to carry conditions in more than two subjects.

Students of Pharmacy, if conditioned in more than two subjects, will be required to repeat the unsatisfied course in its entirety.

Entrance Examinations will be held September 28, 29, and 30, 1910.

Students who matriculate after the registration days (September 28, 29, 30, and October 1, 1910) will be required to pay a fine of $3.00.

No regular student will be matriculated after October 15 of any year except by unanimous consent of the Faculty.

Examinations for the removal of conditions and for advanced standing will be held September 28, 29, and 30. No examination for the removal of conditions will be held after October 1 of any year. Students will not be allowed to attend class work until they have matriculated.

PLAN OF INSTRUCTION AND CURRICULUM

The teaching consists of systematic lectures upon Pharmacy, Materia Medica and Therapeutics, Chemistry, Physics, Physiology, Bacteriology, Botany, and Prescription Reading, Writing, and Compounding, together with a large amount of laboratory work upon these subjects. The course of study is a graded one, the students being required to pass an examination upon the matter taught in the Junior Class before they are permitted to enter the Senior Class. The following curriculum exhibits the arrangement of the work:

Junior Year: Systematic lectures upon (1) the principles of pharmacy, physics of pharmacy, crude drugs and their recognition, proximate principles of plants, prescription compounding and dispensing; (2) inorganic chemistry and physics; (3) materia medica; (4) general botany; (5) physiology; (6) bacteriology.

Laboratory work upon (1) pharmacy; (2) inorganic chemistry; (3) plant analysis and vegetable histology; (4) prescription compounding and dispensing; (5) chemical physiology; and (6) bacteriology.

Senior Year: Systematic lectures upon (1) pharmaceutical manufacturing, analysis and assaying, purification of drugs, compounding and dispensing; (2) chemical analysis and organic chemistry; (3) physiological action of drugs.

Laboratory work upon (1) pharmacy; (2) chemical analysis and organic chemistry; (3) microscopic pharmacognosy; and (4) analytical pharmacy.

DEPARTMENTS OF INSTRUCTION

PHARMACY

RAOUL R. D. CLINE, B. S., A. M., PH. G., M. D., *Professor of Pharmacy.*

JOHN C. BUCKNER, PH. G., *Demonstrator of Pharmacy.*

A. JUNIOR CLASS

1. Pharmacy.

Two lectures and six laboratory hours each week throughout the session.

The lectures deal with the theory and practice of Pharmacy,

special emphasis being laid upon the purification and preservation of pharmaceuticals and chemicals and the methods of combining medicines.

The practical work in the laboratory is devoted to the manufacture and purification of medicated waters, medicated solutions, extracts, fluid extracts, tinctures, wines, syrups, infusions, misturas, elixirs, emulsions, glycerites, vinegars, collodions, eye waters, douches, sprays, gargles, pills, suppositories, ointments, plasters, liniments, etc.

During the latter part of the year special instruction is given in the manufacture of toilet preparations and perfumery.

The first three months of this laboratory course are spent in the study of the physics of pharmacy, *i. e.*, the determination of coefficients of solubilities, points of fusion, points of ebullition, points of congelation, the examination and correction of apparatus, such as balances, graduated vessels, thermometers, pipettes, and burettes. Crystallization, fractional distillation, percolation, infusion, and sublimation are studied from a practical standpoint.

2. *Prescription Laboratory.*

Eleven laboratory hours a week throughout the session.

This course is devoted to the reading, writing, compounding, and dispensing of physicians' prescriptions. Special attention is paid to modes of making medicines sightly, palatable, and permanent.

B. SENIOR CLASS

3. *Pharmacy.*

Two lectures and ten laboratory hours a week throughout the session.

These lectures deal with the manufacture, purification, and preservation of chemical salts, acids, alkaloids, alkaloidal salts, resins, resinoids, glucosides, ethers, fruit essences, and syntheticals, such as urotropin, sulphonal, piperazine, acetanilide, phenacetin, aspirin, tanalbin, aristol, tannigen, guncotton, terebene, terpin hydrate, terpinol, thyocol, creosote, menthol, iodoform, iodol, chloroform, chloral, monobromated camphor, camphoric

acid, ether, acetic ether, nitrous ether, amyl nitrate, salol, salicin, benzol, nitro-benzol, oil of wintergreen, acetone, gallic acid, pyrogalol, resorcin, beta-nephthol, protargol, sulpho-carbolic acid, sulphocarbolates, etc.

The laboratory course is devoted to the manufacture and purification of the above-mentioned substances.

4. Pharmaceutical Analytical Laboratory.

Four laboratory hours weekly throughout the session.

This course includes the gravimetric and volumetric analysis of everything made or handled during the entire course. Special instruction is given in testing chemicals and pharmaceuticals, and in alkaloidal and glucosidal determinations. This course includes instruction in qualitative and quantitative chemical examination of the ordinary food stuffs, toilet articles, and proprietary preparations.

5. Prescription Laboratory.

Ten laboratory hours a week throughout the session.

This course is devoted to the reading, writing, compounding, and dispensing of physicians' prescriptions. Special attention is paid to easy and rapid modes of making prescriptions sightly and palatable, and to methods of increasing their potency and absorbability.

BOTANY

JOHN C. BUCKNER, PH. G., *Lecturer and Demonstrator of Botany.*

A. JUNIOR CLASS

1. Botany.

Two lectures a week throughout the session.

These lectures bear upon structural, physiological, histological, and taxonomic botany, with special reference to pharmacy.

2. Vegetable Histology.

Three laboratory hours a week throughout the session.

This is a course in vegetable histology, special stress being laid upon the microscopic structure of plants used in medicine. This course is necessary for an intelligent understanding of the course given to the Senior Class in powdered drugs.

3. Crude Drugs.

Three laboratory hours weekly during one-half of the session.

The course includes the recognition of plants and plant parts, the identification of adulterants, a knowledge of the active constituents, their uses, and a classification of all such plants, together with methods best adapted to their preservation.

4. Field Botany.

This course consists of three hours a week in the field during the second half of the session.

After a careful study of the typical flora of Galveston Island, excursions to the mainland are made, where a further study of Texas plants is possible. Special attention is paid to those indigenous plants which possess medicinal activity.

B. SENIOR CLASS

5. Powdered Drugs.

Three hours a week during the entire session.

This course is devoted to a study of the crystallography of alkaloids and chemicals under the microscope. The microscopical appearance of powdered drugs is dealt with, looking mainly to the detection of adulterants and to the identification of substances examined. The course is given in the Laboratory of Vegetable Histology.

CHEMISTRY

ARTHUR EVERETT AUSTIN, A. M., M. D., *Professor of Chemistry and Toxicology.*

WALTER T. GARBADE, B. S., PH. G., *Demonstrator of Chemistry.*

ETHEL M. SYKES, A. B., *Fellow in Chemistry.*

1. General Inorganic Chemistry.

Junior Year. Two lectures and four laboratory hours a week throughout the session.

This course comprises the elements of chemistry, the fundamental laws of chemical action, the more important properties of the elements and their principal compounds, the tests for the acids and metals, and an introduction to qualitative analysis.

2. *Physics.*

Junior Year. Two lectures a week during the first third of the session.

This course is designed to acquaint the student with the underlying principles of elementary physics, particularly the phenomena of heat, light, and electricity. Those subjects having special bearing upon his work in pharmacy are thoroughly gone into, and all lectures are fully illustrated with experiments.

3. *Medical and Analytical Chemistry.*

Senior Year. Two lectures and four laboratory hours each week during the session.

This course comprises a thoroughly practical drill in the qualitative analysis of mixtures of unknowns; in the analysis of potable and mineral waters; analysis of milk; analysis of urine; the principles of gravimetric and volumetric analysis; and the processes of detecting mineral and vegetable poisons in complex organic mixtures.

4. *Organic and Pharmaceutical Chemistry.*

Senior Year. Two lectures and three laboratory hours a week during the entire session.

This course covers the elements of organic chemistry, and includes the detection of preservatives and adulterants in foods and in medicinal preparations.

The Chemical Laboratory occupies the greater portion of the lower floor of the College Building and contains 275 working tables, each table being supplied with complete equipment of apparatus and reagents for individual work by each student. The laboratory is well equipped for the purpose of teaching the subject, and the practical work is done by each student under the personal supervision of the Professor and the Demonstrator.

MATERIA MEDICA AND THERAPEUTICS

EDWARD RANDALL, M. D., *Professor of Materia Medica and Therapeutics.*

1. Materia Medica.

Junior Year. Two lectures or recitations a week for nineteen weeks.

These lectures include a general description and classification of crude drugs, their physical, chemical, and medical properties, the preparations, doses, tests, antidotes, toxicology, etc.

The Laboratory of Pharmacy contains a complete cabinet of drugs, active principles, etc., for use by each student in the practical study of Materia Medica as the different subjects are discussed during the term.

2. Therapeutics.

Senior Year. Two lectures weekly throughout the session.

In this course the therapeutical classification of remedies and their therapeutical and chemical compatibilities are considered. Prescription writing, with the dosage, in both the metric and the apothecary systems, is duly dwelt upon. It is the aim of the course to qualify the student for the work of the pharmacist, without making a prescribing doctor of him.

BACTERIOLOGY

JAMES J. TERRILL, M. D., *Professor of Pathology and Bacteriology.*
HARRY O. KNIGHT, A. B., M. D., *Demonstrator of Pathology and Bacteriology.*

Junior Year. One lecture or recitation and seven laboratory hours a week for the last third of the session.

This course includes the preparation of the ordinary forms of culture media; the study of the various methods of sterilization and disinfection; staining and mounting bacteria; isolation in pure culture; the cultural characters and methods of identification of the more common forms of bacteria; and the practical bacteriological examinations of air, water, milk, etc.

PHYSIOLOGY

WILLIAM S. CARTER, M. D., *Professor of Physiology.*
OSCAR H. PLANT, M. D., *Demonstrator of Physiology.*

1. Junior Year. Two lectures and five laboratory hours per week for one-half of session.

This is a course in chemical physiology, includes the chemical properties of the organic foodstuffs and the methods of separating them; the chemical changes which take place in digestion; the composition of foods, etc.

2. Senior Year. Three lectures per week for two-thirds of the session.

This course covers the circulation of the blood, respiration, metabolism, secretions and excretions. Some knowledge of these physiological processes is necessary for an understanding of the action and therapeutic uses of drugs.

LIBRARY AND READING ROOM

The library and reading-room of the institution are open to the classes in Pharmacy on the same conditions as to students in Medicine. The more important works bearing upon the subjects taught in the course are upon the shelves, and the current and back numbers of the best known pharmaceutical journals are available in the reading-room for consultation.

SCHOLARSHIP

In 1889 the Texas State Pharmaceutical Association established a scholarship in the School of Pharmacy of the University of Texas. When first established, the sum of $150 was given, and the selection of the beneficiary was made by a committee approved by the President of the Association. In 1900 the sum was increased to $200, and continues up to the present time. In 1901, the selection of the holder of the scohlarship was left to the Professor of Pharmacy, his action in the matter being ratified by the Executive Committee of said Association. The scholarship is held at present by Mr. C. V. Payne, of the Senior Class.

ROSTER OF SCHOOL OF PHARMACY.

JUNIOR CLASS, 1910-1911.

Hour.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
8 a. m.					Bacteriology, last third of term.	
9 a. m.	Pharmacy.	Botany.	Pharmacy. Laboratory, 9 a. m. to 1 p. m. first half term, 9-11 a. m., second half term.	Pharmacy.	Botany.	Prescription Reading, Writing, and Compounding.
10 a. m.	Prescription Reading, Writing, and Compounding.	Pharmaceutical Laboratory.	Vegetable Microscopy, 11 a. m. to 1. p. m., second half term.	Prescription Reading, Writing, and Compounding.	Crude Drugs, first half term.	
11 a. m.					Field Botany, and Vegetable Histology, second half term.	Physiology, second half term.
12 m.						
2 p. m.	Chemical Laboratory.	Prescription Compounding, first two-thirds of term	Chemical Laboratory.	Vegetable Microscopy.	Physiological Laboratory, 2-5 p. m., second half term.	
3 p. m.		Bacteriology, 2-5 p. m., last one-third term.				
4 p. m.	Physiology, second half term.	Chemistry, first half term.	Materia Medica.	Materia Medica.		
5 p. m.	Physics, first half term. Chemistry, second half term.	Physiology, second half term.	Physics, first half term. Bacteriology, 4-6 p. m., last one-third term.	Prescription Compounding, two-thirds term. Bacteriology, 4-6 p. m., last one-third term.	Chemistry.	

ROSTER OF SCHOOL OF PHARMACY.

SENIOR CLASS, 1910-1911.

Hour.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
8 a. m.						Pharmacy.
9 a. m.	Prescription Reading, Writing, and Compounding.	Prescription Reading, Writing, and Compounding.	Organic Chemistry.	Assay of Pharmaceuticals and Chemicals, and Alkaloidal Testing.	Organic Chemistry.	Chemical Laboratory.
10 a. m.			Microscopy of Powdered Drugs.		Physiology.	
11 a. m.	Pharmaceutical Laboratory.	Pharmaceutical Laboratory.			Pharmaceutical Laboratory.	Pharmaceutical Laboratory.
12 m.						
2 p. m	Prescription Reading, Writing, and Compounding.	Prescription Reading, Writing, and Compounding.	Prescription Reading, Writing, and Compounding.	Chemical Laboratory.	Chemical Laboratory.	
3 p. m.						
4 p. m.	Therapeutics	Therapeutics.	Physiology.		Pharmaceutical Laboratory.	
5 p. m.	Physiology.	Chemistry.	Pharmacy.	Chemistry.		

TEXT-BOOKS

First Year

Pharmacy: Arny's *Principles of Pharmacy* ($6.00); Remington's *Pharmacy* ($6.00); *United States Pharmacopeia* ($2.50).

Chemistry: Simon's *Manual of Chemistry* ($3.00); Garbade's *Manual of Inorganic Chemistry* ($1.50).

Physics: Page's *Elements of Physics* ($1.25); Daniell's *Physics* ($1.25); Gage's *Physics* ($1.30.)

Botany: Bastin's *College Botany* ($2.50); Gray's *Field Botany* ($1.80); Small's *Flora of the Southwestern United States* ($3.25).

Materia Medica: H. C. Wood ($6.00); *United States Dispensatory* ($7.00).

Prescription Work: Scoville's *The Art of Compounding* ($2.50).

Pharmacognosy: Kraemer ($5.00); Sayre ($4.00).

Physiology: Kirke's *Physiology edited by Halliburton.*

Second Year

Chemistry: Austin's *Clinical Chemistry* ($1.75); Leach's *Analysis of Foods* ($7.50); Holland's *Medical Chemistry and Toxicology* ($2.00); Remsen's *Organic Chemistry* ($1.20).

Pharmacognosy: Sayre ($4.00).

Pharmaceutical Technology: Cline, 2 vols. ($4.00).

Volumetric Analysis and Assay of Drugs: Mütter ($1.25); Coblentz ($1.25).

Physiology: Kirke.

DEGREES

Upon the following members of the class of 1909 the degree of Graduate in Pharmacy (Ph. G.) was conferred at the Commencement held May 29, 1909:

Arnett, William Dudley
Caldwell, Clifton Reedy
Chapman, Earl Olgus
Crofts, Cyril Ernest
Douglass, Frances
Figley, Ward Carroll
Harris, Jared J.
Hoover, Lon Mabry
Mackey, Gordon
McAdams, Rosalie
McKinney, Vernon Vane
Oxford, Thomas David
Schaefer, Elfrieda Carrie
Schaefer, Laura
Thompson, Robert Luther
Wheat, Cicero Lafayette

ASSOCIATIONS

The graduates of the School of Pharmay are eligible to membership in the Alumni Association of the Medical Department of the University of Texas (see p. 75). A Pharmaceutical Association, composed of the students of this school alone, has been formed for the study of essentially pharmaceutical problems. The students of Pharmacy are eligible to the Students' Council and other student bodies mentioned on page 76.

EXPENSES

Each student on entering the School of Pharmacy is required to pay a University matriculation fee of thirty dollars.

This fee is paid but once. If it has been paid in any other Department of the University, it is not again required in the Medical Department. Other fees are in the nature of laboratory fees of five or ten dollars for each laboratory attended (to pay for material used by the student in laboratory exercises) and laboratory and library deposits. These deposits are intended to cover the value of apparatus entrusted for use to each student in the laboratories, or of books withdrawn from the Library. At the close of the term, on the return of apparatus and books in good condition, these deposits are returned to the student. Articles of apparatus or books not thus returned are charged against these deposits, their cost value deducted therefrom, and the balance returned to the student. When the value of such broken or unreturned property of the School is greater than the deposit, a special charge is made to replace the article in question. The list of expenses given below will indicate the individual items and the total payments required each year, the items of deposit being returnable from the annual total in accordance with the above explanation.

Instead of requiring separate deposits in each of the laboratories, the authorities will require one deposit to be made by each student to cover breakage, loss, or damage to apparatus, books, or other equipment.

A library fee of one dollar is deducted from the library deposit made by each student at the beginning of the session. This will be used to cover the expense of wear and tear of the books, and for binding journals, books, etc.

Students who matriculate after the registration days (September 28, 29, 30, and October 1, 1910) will be required to pay a fine of $3.00.

JUNIOR YEAR.

Matriculation fee		$30.00
Laboratory fee in Chemistry	$ 5.00	
Laboratory fee in Pharmacy	10.00	
Laboratory fee in Chemical Physiology	5.00	
Laboratory fee in Bacteriology	5.00	
Total laboratory fees		25.00
Deposit for library, laboratories, etc., (returnable as explained above)		20.00
Total payable upon matriculation		$75.00

SENIOR YEAR.

Laboratory fee in Chemistry	$ 5.00	
Laboratory fee in Pharmacy	10.00	
Total laboratory fees		$15.00
Deposit for library, laboratories, etc. (returnable as explained above)		15.00
Total payable upon matriculation		$30.00

BOARD

Good board, with fuel and lights, can be had at prices ranging from $15.00 to $20.00 a month.

Students are advised to go directly to the College Building, on Strand, between Ninth and Tenth Streets, on their arrival in the city, where the Provost of the Medical Department will be found, who will take pleasure in furnishing all necessary information and aid in obtaining board without delay.

Letters requesting information or Catalogue should be addressed to President S. E. Mezes, or to Dr. Wm. S. Carter, Dean, Medical Department of the University of Texas, Galveston, Texas. Business communications should be addressed to Thomas H. Nolan, Provost, Medical Department of the University of Texas, Galveston, Texas.

SCHOOL OF NURSING

STAFF OF INSTRUCTORS AND OTHER OFFICERS

Miss Ethel D'A. Clay, *Superintendent, Clinical Instructor in Nursing.*

Lecturers

J. E. Thompson, F. R. C. S. (Eng.), *Surgical Nursing.*
M. L. Graves, M. D., *Medical Nursing.*
R. R. D. Cline, M. D., *Materia Medica.*
W. S. Carter, M. D., *Physiology and Hygiene.*
James Greenwood, Jr., M. D., *Diseases of Children.*
S. M. Morris, M. D., *Diseases of the Eye, Ear, Nose, and Throat.*
H. R. Dudgeon, M. D., *Surgery.*
William Keiller, F. R. C. S. (Ed.), *Anatomy.*
J. F. Y. Paine, M. D., *Obstetrics and Gynecology.*
H. O. Sappington, M. D., *Obstetrics and Gynecology.*
M. L. Graves, M. D., *Nervous and Mental Diseases.*
Oscar H. Plant, M. D., *Physiology and Dietetics.*
E. E. Callaway, M. D., *Anatomy.*
James Greenwood, Jr., M. D., *Clinical Pathology.*
Allen G. Heard, M. D., *Fever Nursing.*

Committee on Instruction

Miss Ethel D'A. Clay (ex-officio).
James E. Thompson, F. R. C. S.
M. L. Graves, M. D.
Wm. S. Carter, M. D. (ex-officio).
} From Faculty of School of Medicine.

Advisory Board of Lady Managers

Mrs. George E. Mann, *President.*

Mrs. Edward Randall, *Secretary and Treasurer.*

Mrs. George Sealy.
Mrs. L. Fellman.
Mrs. J. E. Thompson.
Mrs. R. Waverley Smith.

MRS. J. P. ALVEY.
MRS. J. B. ALLEN.
MRS. D. E. WALLIS.
MRS. H. KEMPNER.
MISS MARY DAVIS.
MRS. J. WHARTON TERRY.
MRS. J. C. LEAGUE.
MRS. H. L. ZIEGLER.
MRS. FREDERICK SCHNEIDER.

GENERAL INFORMATION

The School of Nursing was established as a successor to the "John Sealy Hospital Training School for Nurses." The latter training school was supported and managed by a board of ladies resident in the city of Galveston, as a public charity, and, while well accomplishing its purposes, it had grown in the course of years to be a tax upon the generosity and attention of those who had become interested in it. In order to save it from going out of existence, therefore, and at the same time to extend the opportunity for medical instruction to the classes of nurses, the Regents of the University, in 1897, created the School of Nursing as one of the regular Schools of the Medical Department of the University, and the pupil nurses are recognized as students of this branch of the Medical Department. The Regents of the University are responsible for the instruction of the student nurses in all branches, and have placed the management of the curriculum in the hands of a committee composed of the Clinical Instructor of Nursing, the Dean, and two members elected annually from the Faculty of Medicine by the members of the Faculty. The committee has arranged a curriculum and appointed, from the members of the Faculty and corps of Lecturers and Demonstrators, the special instructors in each branch.

After having completed the course of training satisfactorily, if found worthy in every particular, the pupil nurses are, upon recommendation of the Medical Faculty, given certificates of proficiency as trained nurses by the University of Texas and the President of the Board of Managers, or other authorized officials on the part of the management of the John Sealy Hospital.

In the establishment of the School of Nursing, the Regents of the University have definitely delegated to the Board of Hospital Managers all governmental supervision of the School not directly concerning the instruction of the classes. All questions of admis-

sion to classes, rules, regulations governing the duties and privileges of nurses, matters concerning the moral and physical welfare of pupil nurses, support of individual nurses, and matters of penalty or dismissal, are determined by the Board of Hospital Managers.

An Advisory Board of Lady Managers has been created, their duties being to aid the Superintendent of Nurses in questions of government when required, and to advise the Board of Hospital Managers in questions involving the care of the nurses. The members of this Board act as visiting committees, and endeavor to keep in touch with the students and to aid them when possible.

ANNOUNCEMENT

It is now recognized that two years do not allow sufficient time for properly preparing students for the numerous and responsible duties of nursing. Following the example of other institutions of high standing, the University of Texas has extended the course of training in the School of Nursing from two to three years. This change went into effect October 1, 1907.

For the first four months of the course, candidates who have been approved by the Superintendent of the Training School will be admitted on probation. At the expiration of this time, if the probationer proves to be capable of continuing the course satisfactorily, she will be admitted to full standing and enrolled as a pupil nurse.

During the period of probation the probationer receives board, lodging, and laundry free. After full admission into the Training School, in return for their services in the wards of the hospital, the pupil nurses receive board, lodging, laundry, and uniforms free, and, in addition, an allowance of five dollars a month during the balance of the period of training is made by the Board of Managers to defray the necessary expenses for text-books, etc.

REQUIREMENTS FOR ADMISSION

The capacity of the School is limited to thirty-two pupil nurses.

Those wishing to obtain the course of instruction must apply to the Superintendent of the Training School for Nurses, John Sealy

Hospital, Galveston, Texas, upon whose approval they will be received into the School on probation. The age of candidates must be from twenty to thirty-five years. The candidate should send, with answers to the questions sent to her, two letters testifying to her good moral character, and one from her physician stating that she is in sound health. She should be of at least average height and physique.

Within the first week of probation the applicant will be examined in reading, penmanship, simple arithmetic, and English. Candidates must be able to read aloud well, to write legibly and accurately from dictation, and to understand arithmetic as far as fractions and percentage. While this is the minimum educational requirement, women of superior education are preferred.

The Superintendent has full power to decide as to the fitness of a probationist for the work, and as to the desirability of her retention to the end of the period of probation. She can suspend any nurse for cause at any time, and, with the formal approval of the Board of Hospital Managers, dismiss a nurse for serious misconduct or inefficiency.

The regular academic year begins June 1, and it is advisable for pupil nurses to enter the School before October 1. In case the course of training shall expire before the commencement day, the nurse will be expected to remain in the service and under control of the Hospital authorities until commencement day arrives.

Vacancies will be filled on the first of June of each year. Vacancies arising at other times will be filled as they occur, and the candidates will be required to conform to the preceding rules.

Candidates who prove satisfactory will be accepted as pupil nurses after signing an agreement to remain in the service for the length of time required by the rules of the School; to submit to the control of the Superintendent; and to obey the rules of the Hospital and School. They will reside in the Home for Nurses, adjacent to the Hospital, and serve the first year as assistants in any or all of the wards of the Hospital.

They will be expected to perform any duty assigned to them by the Superintendent, and to act as nurses in any of the wards or in any department of the Hospital. They are required during the months of training to wear the dress and shoes prescribed for the institution.

The day nurses are on duty from 7 a. m. to 7 p. m.; the night nurses from 7 p. m. to 7 a. m. Reasonable time is given for meals, exercise, study, and rest. One afternoon each week, and additional time on Sundays, will be allowed to each pupil nurse.

A vacation of two weeks will be allowed each year.

In cases of sickness, pupils will be gratuitously cared for in their rooms or in the Hospital, but the time lost must be made up.

Blanks containing questions required to be answered by the candidates for the information of the Superintendent of Nurses will be mailed upon application.

COURSE OF TRAINING AND INSTRUCTION

The course of instruction is a graded one, extending over three terms. The plan of instruction includes systematic lectures, demonstrations, and actual bedside practice of the principles taught; and from time to time, the pupils are required to present papers upon various themes connected with the work.

The course is arranged as follows:

JUNIOR YEAR

Systematic lectures upon (1) Anatomy; (2) Physiology; (3) Materia Medica, including the dosage and uses of drugs, the antidote of poisons, etc.; (4) Nursing of Medical Cases (Fever Nursing); (5) the Ethics of Nursing, including the duties of nurses in caring for patients, both in hospitals and in private homes.

Practical instruction in ward-work, bed-making, the care of patients, including toilet, feeding, attention to excretions, application of lotions, stupes, poultices, blisters, and the care of the same, prevention and treatment of bed-sores, cupping and leeching, clinical observations, symptoms and the records of temperature, pulse and respiration, baths, enemata, ventilation, disinfection, etc.

INTERMEDIATE YEAR

Systematic lectures upon (1) Surgical Nursing; (2) Medical Nursing; (3) Obstetrics; (4) Gynecology; (5) Dietetics.

Practical instruction in surgical nursing, including surgical technique; preparation for operations, both in hospitals and in

homes; the care of patients after operations; practical experience of three months under a permanent head nurse in the operating room; obstetrical nursing; gynecological nursing; dietetics; the preparation of foods for artificial feeding and for various diseased conditions.

SENIOR YEAR

Lectures upon (1) the Nursing of Infants and Children; (2) Hygiene; (3) Nursing of Nervous and Mental Diseases; (4) Eye Cases; (5) Ear, Nose, and Throat Cases; (6) Hospital Management and Administration; (7) Ethics of Nursing, with special reference to the nursing of private patients; (8) Massage and Swedish Movements.

Practical instruction in infant feeding; the nursing of special cases, including mental and nervous diseases, and diseases of the eye, ear, nose, and throat; urine analysis; massage and Swedish movements; ward management and hospital administration.

During the larger part of the Senior Year the members of the class will be placed in charge of the different wards and of the private rooms of the Hospital in rotation. Opportunity is thus afforded for acquiring valuable training and experience in matters of hospital management. Those who display administrative ability and desire to fit themselves for institutional work will be given further instruction in the methods of hospital administration.

The requirements for promotion and graduation are essentially the same as in the School of Medicine. Final examinations are held upon all subjects taught, and the pupil is also graded for the quality of ward-work which she has done. Most of the instruction above outlined is given in the Hospital and in the Nurses' Home. The practical clinical instruction is given in the wards of the Hospital. Some of the lectures and demonstrations are given in the Medical College.

TEXT-BOOKS

Anatomy and Physiology: Kimber.
Primary Nursing: McIsaac.
General Nursing: Hampton.
Diet in Sickness and Health: Winthrop.
Massage and Swedish Movements: Oström.

Materia Medica: Stoney.
Care of the Baby: Griffith.
Surgical Nursing: Stoney's *Surgical Technique.*
Fever Nursing: Wilson.
Nervous Diseases and the Insane: Mills.
Medical Dictionary: Gould.
Obstetrics: Lee.
Gynecology: Lee.

ROSTER OF WARD DUTIES AND INSTRUCTIONS—JUNIOR CLASS OF NURSES, 1910-1911.

Hours.	Sunday.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
7 a. m.	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.
8	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.
9	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.
10	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.
11	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.
12 m.	Dinner.	Dinner.	Dinner.	Dinner.	Dinner.	Dinner.	Dinner.
1 p. m.	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.
2	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.
3	Ward.	Ward.	Physiology.—H.	Anatomy.—C.	Ward.	Ward.	Clinical Instruction.—H.
4	Ward.	Ward.	Clinical Instruction.—H.	Clinical Instruction. —H.	Materia Medica.—H.	Medical Nursing.—H.	Ward.
5	Supper.	Supper.	Supper.	Supper.	Supper.	Supper.	Supper.
6	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.

NOTE—In the above Rosters, when not noted, it is to be understood that lectures begin with opening of term of Medical School, and continue until course of instruction is finished, or to end of term. H indicates Sealy Hospital as place of lectures; C, the College Building.

ROSTER OF WARD DUTIES AND INSTRUCTIONS—SENIOR CLASS OF NURSES, 1910-1911.

Hours.	Sunday.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
7 a. m.	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.
8	Ward.	Care of the Eye.—H.	Clinical Pathology.	Ward.	Ward.	Diseases of the Ear, Nose, and Throat.	Ward.
9	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.
10	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.
11	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.
12 m.	Dinner.	Dinner.	Dinner.	Dinner.	Dinner.	Dinner.	Dinner.
1 p. m.	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.
2	Ward.	Cooking Class.	Ward.	Ward.	Ward.	Children's Diseases.	Ward.
3	Ward.		Massage.—H.	Ward.	Dietetics.—H.	Hygiene.—H.	Massage.
4	Ward.	Bandaging. Minor Surgery.—H.		Ward.	Clinical Instruction.—H.	Nervous and Mental Diseases, one-third term.	
5	Supper.	Supper.	Supper.	Supper.	Supper.	Supper.	Supper.
6	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.	Ward.
7					Surgical Emergencies—H.	Obstetrics and Gynecology.—H.	

GRADUATES IN NURSING

At the Commencement Exercises held May 29, 1909, certificates of proficiency were awarded to the following members of the graduating class in the School of Nursing:

Barrett, Elizabeth
Bricker, Hilma Marie
Fuglsang, Christina Rose
Glenn, Mae Belle
Hardin, Lena Annie Amelia
Perkins, Margaretta
Pfeifer, Edna Annie
Robbins, Helen Delano
Sedgewick, Hilma Matilda
Spiller, Sammie Ella
Sterling, Mary Amanda
Tompkins, Cora Lee
Walford, Lizzie Rose
Whiteside, Lula Olive

NOTICE.

Letters requesting information as to curriculum of the School of Nursing, or applications for admission to the class, should be addressed to the Superintendent of Nurses, John Sealy Hospital, Galveston, Texas.

CATALOGUE OF STUDENTS IN THE MEDICAL DEPARTMENT, 1909-1910

SCHOOL OF MEDICINE

Freshmen

Name.	Home Address.
Adams, Francis Marion	Austin, Texas.
Atkinson, Roger	Gonzales, Texas.
Aves, Delano Richard	Seabrook, Texas.
Aydam, Charles Weiser	Houston, Texas.
Bennett, William Henry	Florence, Texas.
Biron, Edward Paul	Galveston, Texas.
Black, Walter Alvin	Mt. Pleasant, Texas.
Braden, Albert Henry	Bernardo, Texas.
Briggs, Harry Arthur	Palestine, Texas.
Brownlee, Charles Hansford	Burnet, Texas.
Clarke, Jared Ellison, Jr	Houston, Texas.
Clarke, Floyd Elsworth	Atwell, Texas.
Collins, Charles Ernest	Alvin, Texas.
Connor, Paul James	Madisonville, Texas.
Cooke, Lane Butler	Cleburne, Texas.
Cover, Ellen Charlotte	San Antonio, Texas.
Cravens, Thomas Linsey	Arlington, Texas.
Cross, Allan Ray	Galveston, Texas.
Culpepper, William Louis	Temple, Texas.
Davis, Raleigh Lester	Big Springs, Texas.
Dodson, William Milton	San Angelo, Texas.
Eaton, Calvin Eli	Brownwood, Texas.
Egerton, Clifton	Dalhart, Texas.
Ellis, J. G., Jr	Denison, Texas.
Fowler, Clarence Fred	Valley Springs, Texas.
Frey, Conrad	San Antonio, Texas.
Garnett, Walter Lowry (B. A., Univ. of Texas)	Brownwood, Texas.
Goodwin, Roy Thaddeus	Moscow, Texas.
Geer, Robert Herschel	Coleman, Texas.
Haggard, Frank Nichols	Hillsboro, Texas.

Name.	Home Address.
Handley, Lucius Lamar	Houston, Texas.
Hill, Joseph Richard	Koerth, Texas.
Houston, John Porter	Salado, Texas.
Howser, John Paul (B. S., Univ. of Texas)	Austin, Texas.
Jackson, Albert Amza	Mexia, Texas.
Jackson, Reuben Wright	Mexia, Texas.
Johnson, Jesse Brealand	Cookville, Texas.
Karchmer, Miss Ray	Denison, Texas.
Kass, Joseph	Galveston, Texas.
Kincaid, Daniel Philip	Bonham, Texas.
Korff, Arthur Louis	Austin, Texas.
Kreisle, Mathew Ferdinand	Austin, Texas.
Levy, Moise Dreyfus	Natchitoches, La.
Lipscomb, William Nunn	Crockett, Texas.
Lowe, Patrick Otis	Laneville, Texas.
McAdams, Miss Rosalie (Ph. G., Univ. of Texas)	Galveston, Texas.
McDaniel, Adolphus A. (B. A., A. and M. College)	Mineola, Texas.
McIver, Julius	Normangee, Texas.
Miller, Clarence Ross	San Angelo, Texas.
Moore, Zack Jackson	Overton, Texas.
Morris, Edwin Taylor	Bastrop, Texas.
Munroe, Roy McLeod	Milford, Texas.
Nichols, Cranz (Ph. G., Univ. of Texas)	Corsicana, Texas.
O'Neill, Owen Roe	Clarksville, Texas.
Parke, Joseph Nance	Kyle, Texas.
Phillips, John Henry	Falfurrias, Texas.
Raetzsch, Carl William	Yoakum, Texas.
Ramsdell, Robert LeRoy (C. E., Univ. of Texas)	Austin, Texas.
Robertson, Joseph Jordan	Cornhill, Texas.
Seng, Magnus Ignatius	San Antonio, Texas.
Snead, Edward	Dublin, Texas.
Spangler, Davis	Bonham, Texas.
Starnes, Wm. Love (A. B., A. M., Southwestern University)	Georgetown, Texas.
Surmann, Arnold Charles	New Elm, Texas.
Taylor, Summerfield Moon	Austin, Texas.
Temple, Mrs. Ida May Shipman	Galveston, Texas.

Name.	Home Address.
Vinyard, Roy Leonard	Claude, Texas.
Wall, Dick Parker	Honey Grove, Texas.
Watson, Ralph Norris	Corsicana, Texas.
Webb, John Gaillard	Austin, Texas.
Weller, Clarence W. (B. A., Univ. of Texas)	Austin, Texas.
Wright, William Carver	Farmersville, Texas.

Sophomores

Acker, Earl	Lampasas, Texas.
Allen, Edward Pennington	Eddy, Texas.
Anderson, John Berwick	Waxahachie, Texas.
Brown, Hubert Lee	Hamilton, Texas.
Bruce, Bryan Sanford (Ph. G., Univ. of Texas)	Denton, Texas.
Chernosky, Amos William	Rosebud, Texas.
Cooke, Willard Richardson	Galveston, Texas.
Donald, Homer (B. S., Westminster College)	Lewisville, Texas.
Downs, James Tickell, Jr	Dallas, Texas.
Edwards, Douglas Saunders	San Marcos, Texas.
Ellis, Leland C.	Denison, Texas.
Freundlich, Thomas	Houston, Texas.
Goode, John William	Plainview, Texas.
Graham, George Malcolm	Austin, Texas.
Graves, John Henry	Waco, Texas.
Hampton, John Werton	Foresten, Texas.
Hargrove, Reuben Morgan	San Marcos, Texas.
Harzke, Otto Frederick	Ledbetter, Texas.
Hasskarl, Robert Albert	Galveston, Texas.
Hinman, Alexander John	New Braunfels, Texas.
Hix, Ivan Edwards	Tyler, Texas.
Holland, William Harold	Jacksonville, Texas.
Hopkins, May Agnes (B. S., Univ. of Texas)	Austin, Texas.
Howe, Una (A. B., Univ. of Texas)	Douglasville, Texas.
Hurst, Vessie Reeves	Shelbyville, Texas.
Johnson, Levy Stephen	Richmond, Texas.
Johnson, William Elijah	Cookville, Texas.
Judge, Ivan Bonner	Tyler, Texas.
Kennedy, Sam	Grapeland, Texas.

Name.	Home Address.
Lechenger, Gilbert Cecil	Houston, Texas.
McAdams, Frances May (B. S., Univ. of Texas)	Galveston, Texas.
McBride, Robert Bartholow	Denton, Texas.
McCreight, William Francis	Quitman, Texas.
McDonald, John Francis (B. A., Baylor Univ.)	Celeste, Texas.
McElhannon, Arthur Marcus	Belton, Texas.
McIver, Joseph	Normangee, Texas.
Masters, Wallace Jefferson	Mt. Pleasant, Texas.
Miller, Arthur Lee	Weimar, Texas.
Neely, Jubal Allen	Denton, Texas.
Newman, Simeon Harrison	El Paso, Texas.
Newton, Earl Homer (B. S., Southwestern Univ.)	Yancey, Texas.
Noll, Julius	Kerrville, Texas.
Outlaw, Ellery McRae	Palestine, Texas.
Richardson, Seborn Charles	Bessmay, Texas.
Smith, Benjamin Franklin	Hillsboro, Texas.
Steves, Ernest Jackson	San Antonio, Texas.
Talley, Oren Hubbell	Lewisville, Texas.
Wheeler, LeRoy Jasper	Galveston, Texas.
Williams, Hillary Wingo	Fort Worth, Texas.
Wilson, Cliff Cicero	Gatesville, Texas.
Wilson, R. T., Jr	Gatesville, Texas.
Woolley, Talmage Oliver	Overton, Texas.
Wright, Ernest	Omaha, Texas.
Young, Claud Franklin	Bowie, Texas.

Juniors

Aves, Frederick Worley	Galveston, Texas.
Baldwin, Jack Browning	Karnack, Texas.
Beeson, Sam Pinckney	Lovelady, Texas.
Bertner, Ernest William	Colorado, Texas.
Betts, Shirley Houston	Marshall, Texas.
Brindley, George Valter	Maypearl, Texas.
Campbell, George Perry	Douglas, Texas.
Castleberry, Girlie Gray	Ben Wheeler, Texas.
Chambers, Karl	Liberty, Texas.
Cockrell, Christopher Columbus	Clarksville, Texas.

Name.	Home Address.
Collard, Felix Robert	Wheelock, Texas.
Currie, Benjamin Franklin	Burke, Texas.
Davis, Ralph Chain (Ph. G., Univ. of Texas)	Bonham, Texas.
Dickey, Robert Thomas	Winnsboro, Texas.
Flautt, Jesse Autry	Midland, Texas.
Green, John Edward	Kosse, Texas.
Hadley, Wilmer Amos	Webster, Texas.
Jinkins, Wiley Junior	Normangee, Texas.
Kashkevich, John	Galveston, Texas.
Kindley, George Cyrus (B. S., Univ. of Texas)	Graham, Texas.
Lightsey, John Newton	Runge, Texas.
McAnulty, James Percy (A. B., Trinity Univ.)	Henderson, Texas.
McCall, Joseph Marion	Weatherford, Texas.
McCurdy, Carl	Chico, Texas.
Mabry, Frank Dunn	Madisonville, Texas.
Mathews, Claude Armstrong	Austin, Texas.
Mikeska, Edward Francis	Nelsonville, Texas.
Moore, Oliver Semon	Clarksville, Texas.
Moth, Michael Victor	Galveston, Texas.
Murray, Robert Vincent	Austin, Texas.
Norwood, Eugene Phillips	Austin, Texas.
Perkins, Maury Johnson	Uvalde, Texas.
Pickard, Luther James	Weatherford, Texas.
Raney, Level William	Cushing, Texas.
Richardson, Arthur J.	Kirbyville, Texas.
Spiller, William Fielding, Jr	Esperanza, Texas.
Stevenson, Charles W. (A. B., Univ. of Texas)	San Angelo, Texas.
Streit, August	Brenham, Texas.
Sutton, Robert Spashe	Rusk, Texas.
Terrell, Truman Connor	Ranger, Texas.
Timmons, Oliver Hazard	Brownwood, Texas.
Turner, Ben Weems	Bourney, Texas.
Vaughan, Herbert Hope	Jonesville, Texas.
Wilson, Raburn T	Belton, Texas.
Witt, Guy Ferguson	Galveston, Texas.
Wright, John Vilas	Kirbyville, Texas.

Seniors

Name.	Home Address.
Bradford, Charles Cabell	Mansfield, Texas.
Bryson, James Gordon	San Angelo, Texas.
Cavaness, Ernest Worth	Maypearl, Texas.
Daily, Louis	Houston, Texas.
Edgerton, George William	Sherman, Texas.
Edwards, Thomas Sydney	Blanco, Texas.
Farmer, Robert Allen	Hanson, Texas.
Fisher, William C., Jr	Galveston, Texas.
Frobese, Joseph R.	Cuero, Texas.
Gates, Charles Shackeford	Winchester, Texas.
Gilbert, Taylor Clyde	Grand Prairie, Texas.
Grice, Thomas Wyatt	Valley Mills, Texas.
Hall, Talbert Marion	Coryell, Texas.
Harper, Mary Cleveland	San Antonio, Texas.
Hasskarl, Walter Frederick	Galveston, Texas.
Hoch, Charles Martin	Hochheim, Texas.
Jamison, David Kincaid	Whitesboro, Texas.
Key, Sam Newton	Austin, Texas.
Kubala, Stephen Francis	Beeville, Texas.
Leap, Harry Leroy	San Antonio, Texas.
Lee, Quincy Brown	Munday, Texas.
Lynch, Kenneth M.	Hamilton, Texas.
Mangum, Thomas Emmett	Mason, Texas.
Ogilvie, Henry Houston	Melissa, Texas.
Payne, Thomas Edgar	Scranton, Texas.
Scull, Charles E.	Lavernia, Texas.
Shaw, Thad (B. A., Univ. of Texas)	Galveston, Texas.
Shipman, Edward D.	San Angelo, Texas.
Singleton, Albert Olin (B. S., Univ. of Texas)	Waxahachie, Texas.
Smith, Coalie Fro	Seguin, Texas.
Terrell, Caleb Odhelious	Ranger, Texas.
Thorne, John H.	Galveston, Texas.
Thrasher, Benjamin Oscar	Gainesville, Texas.
Warren, William Henry	Center, Texas.

SCHOOL OF PHARMACY

Juniors

Name.	Home Address.
Baldridge, James Q	Rockdale, Texas.
Black, Edward Barbour Pendleton	Smithville, Texas.
Bowdon, Benjamin Brice	Ballinger, Texas.
Bratton, Wm. Ennis	San Antonio, Texas.
Bruce, Edwin, Jr	Galveston, Texas.
Buck, Bernard Galloway	Moore, Texas.
Campbell, Ed	Munday, Texas.
Carsner, Roper Sangster	Victoria, Texas.
Chernosky, Adolph Albert	Rosebud, Texas.
Cooper, John Walter	Mertens, Texas.
Cotham, Edmund	Burnet, Texas.
Crain, Perry Levi	Moore, Texas.
Eiland, Clarence Allen	Munday, Texas.
Gentry, Thomas Marion	Big Springs, Texas.
Hayden, Samuel James	San Antonio, Texas.
Hennessy, James Patriek	Huntsville, Texas.
Howard, David Malone	Devine, Texas.
Jackson, Bruce Edward	Franklin, Texas.
Jackson, Columbus Short	Nolanville, Texas.
Jackson, Robert Clarence	Franklin, Texas.
Jones, Robert Andrew	Whitewright, Texas.
Krug, Kenney Edward	Brenham, Texas.
Landau, Jacob	Palestine, Texas.
Leslie, Earl Andrew	Rockwall, Texas.
Lightfoot, Samuel Lillard	Bridgeport, Texas.
McCartney, Marie Beatrice	San Angelo, Texas.
McCormick, Thaddeus Charles	Plano, Texas.
Man, Jacob Ralph	Decatur, Texas.
Manor, William Rosco	Elgin, Texas.
Mintz, Isaac	Nacogdoches, Texas.
Murphy, Robert Oliver	Paris, Texas.
Orr, David Lorraine	Anson, Texas.
Odom, Scott Gregg	Rogers, Texas.
Peeler, Grady	Campbelltown, Texas.
Rogers, Lienen Moss	Refugio, Texas.

Name.	Home Address.
Roman, Wm. Buchanan, Jr	Bryan, Texas.
Schaffer, Isadore	Houston, Texas.
Seymour, James Forrest	Beeville, Texas.
Shiller, Joseph Frank	Victoria, Texas.
Stripling, Gradis Grover	Nacogdoches, Texas.
Urdong, Bertha	Center, Texas.
Von Dohlen, Albert Bertram	Goliad, Texas.
Weatherly, Edward Mitch	Mahl, Texas.
Wright, Edwin Earl	Rosebud, Texas.
Young, Barnett Rogers	Cornhill, Texas.

Seniors

Alexander, Thomas Howard	Lovelady, Texas.
Albert, William Frederick	Oakland, Texas.
Gatling, John Massey	San Augustine, Texas.
Heineke, Frederick	Brenham, Texas.
Le May, Ernest Grepin	Crockett, Texas.
Little, Miss Fletcher Flint	Hughes Springs, Texas.
Mallow, Luther Forest	McKinney, Texas.
North, Thomas Murphree	Yoakum, Texas.
Payne, Claiborne Vinson	San Angelo, Texas.
Pfeuffer, Ida Francis	Kerrville, Texas.
Reuss, Edward Mügge	Cuero, Texas.
Rogers, Willoughby Eugene	Bremond, Texas.
Russell, Edward S	San Antonio, Texas.
Sparkman, John Thomas	Alvord, Texas.
Voelcker, Julius Grube	New Braunfels, Texas.
Wilder, Claude Lawrence	Whitt, Texas.

Special

Whisenant, John Ross	Dallas, Texas.

SCHOOL OF NURSING

Seniors

Name.	Home Address.
Krebs, Miss Daisy Elizabeth	Texas City, Texas.

Intermediates

Farmer, Mrs. Nancy Smith	Sherman, Texas.
Gosney, Miss Mattie Drusilla	Fort Worth, Texas.
Greer, Miss Anna Lou	Axna, Texas.
Hall, Miss Della Penesa	McGregor, Texas.
Heath, Miss Sophie Robinson	Pittsburg, Texas.
Henderson, Miss Audrey Olena	McKinney, Texas.
Knight, Miss Mary Emily	Lampasas, Texas.
Riley, Miss Jennie	Leonard, Texas.
Sellman, Miss Emily Rachel	Rochelle, Texas.
Tipton, Miss Katherine	Nacogdoches, Texas.
Wingo, Miss Laura Eunice	Ada, Oklahoma.
White, Miss Ella Rutledge	Cuero, Texas.

Juniors

Aldrich, Miss Vera May	La Grange, Texas.
Applewhite, Miss Addie	San Antonio, Texas.
Appling, Miss Isola	Corsicana, Texas.
Brady, Miss Hazel	Austin, Texas.
Cooper, Miss Leutie Locke	Fayette, Missouri.
Freeman, Miss Grace	Graham, Texas.
Green, Miss Mary Helen	Bay City, Texas.
Hutchinson, Miss Mary Genevieve	Galveston, Texas.
Johnson, Miss Esther	Austin, Texas.
Martin, Miss Sadie Leland	Graham, Texas.
McCord, Miss Jessie Ella	Van Alstyne, Texas.
Otis, Miss Mary Bess	Houston, Texas.
Swenson, Miss Ellen Jerephine	Olivia, Texas.
Tellier, Miss Sylvia Marie	Dalhart, Texas.
Thompson, Miss Myrtle	Sherman, Texas.
Van Pelt, Miss Hattie	Navasota, Texas.
Wagner, Miss Josephine Sophie	Yorktown, Texas.
Weatherford, Miss Katie Lee	Driftwood, Texas.
Wilson, Miss Willie Althea	Corsicana, Texas.

SUMMARY OF STUDENTS IN THE UNIVERSITY OF TEXAS

1909-1910

THE COLLEGE OF ARTS:		
Graduates	41	
Seniors	112	
Juniors	139	
Sophomores	183	
Freshmen	492	
Specials	60	
Total		1027
DEPARTMENT OF EDUCATION:		
Graduates	13	
Seniors	58	
Juniors	73	
Sophomores	61	
Freshmen	103	
Specials	10	
Total		318
DEPARTMENT OF ENGINEERING:		
Seniors	29	
Juniors	61	
Sophomores	61	
Freshmen	83	
Specials	9	
Total		243
DEPARTMENT OF LAW:		
Seniors	77	
Middlers	94	
Juniors	131	
Total		302
Total in Main University, regular session		1890
Names counted twice		337
Net total in Main University, regular session		1553

DEPARTMENT OF MEDICINE:

School of Medicine

Seniors	34	
Juniors	46	
Sophomores	54	
Freshmen	72	
Total		206

School of Pharmacy

Seniors	16	
Juniors	45	
Specials	1	
Total		62

School of Nursing

Seniors	1	
Intermediates	12	
Juniors	19	
Total		32
Total in Department of Medicine		300
Net total in the University, regular session		1853
SUMMER SCHOOLS, net total		741
Grand total		2594

ATTENDANCE BY YEARS

1883-84	221	1897-98	800
1884-85	209	1898-99	986
1885-86	199	1899-00	1,041
1886-87	245	1900-01	1,121
1887-88	250	1901-02	1,291
1888-89	278	1902-03	1,348
1889-90	309	1903-04	1,353
1890-91	283	1904-05	1,486
1891-92	388	1905-06	1,991
1892-93	353	1906-07	2,273
1893-94	482	1907-08	2,462
1894-95	630	1908-09	2,573
1895-96	730	1909-1910	2,574
1896-97	751		

APPENDIX

AFFILIATED SCHOOLS

REGULATIONS GOVERNING AFFILIATION

The Regents and the Faculty desire to bring the University into such close relationship with the high schools of the State that students may be able to pass from the latter to the former without perceptible break in the course of study. The privilege of affiliation, by which graduates of the high schools can enter the University without examination, is, therefore, offered on the following conditions:

1. When the authorities of any school desire affiliation with the University, they shall make formal application to the Visitor of Schools. Memoranda blanks will be furnished to the Superintendent or the Principal of the school seeking affiliation. Upon these blanks may be indicated the courses of study in the different branches, the number of teachers and their qualifications, and such information in regard to the apparatus, appliances, etc., as may serve to give a fair idea of the general efficiency of the school.

2. If this information be satisfactory, the authorities of the school may be asked to submit specimen examination papers prepared by students pursuing the high-school subjects in which affiliation may be desired.

3. No school will be affiliated before the Visitor of Schools, or some person designated by him, shall have visited it, and shall have rendered a report concerning its equipment and work.

4. If the Faculty shall be satisfied that the school should be affiliated, the authorities will be duly notified, and the name of the school will be entered, under the proper group, on the list of affiliated schools. The list will be published in the Catalogue of the University.

5. To be affiliated at all, a school must prepare its graduates for the Freshman Class in English, History (2 units), Algebra and Plane Geometry. Complete affiliation includes enough other units to admit graduates to the Freshman Class without conditions. To be admitted without conditions, fourteen units must be presented.

6. Affiliation may be secured in the following subjects with their respective credits:

Prescribed:

(1) English, 3 units.

(2) History, 2 units, chosen from the following:
Ancient History, 1 unit.
Medieval and Modern History, 1 unit.
English History, 1 unit.
American History, 1 unit.

(3) Algebra, 1½ units.

(4) Plane Geometry, 1½ units. Beginning with September, 1911, Plane Geometry will be credited 1 unit.

(5) A Foreign Language, 3 units, or two Modern Languages, 2 units each. This requirement is strongly advised, but will not be enforced until further notice is given.

Elective:

(1) English, 1 unit.

(2) History and Civics:
Ancient History, 1 unit.
Medieval and Modern History, 1 unit.
English History, 1 unit.
American History, ½ or 1 unit.
Civics, ½ unit.

(3) Latin, 3 or 4 units.

(4) Greek, 2 or 3 units.

(5) German, 2 or 3 units.

(6) French, 2 or 3 units.

(7) Spanish, 2 or 3 units.

(8) Physics, 1 unit.

(9) Chemistry, 1 unit.

(10) Botany, 1 unit.

(11) Zoology, 1 unit.

(12) Physiography, ½ unit.

(13) Physiology, ½ unit.

(14) Solid Geometry, ½ unit.

(15) Trigonometry, ½ unit.

(16) Agriculture, ½ or 1 unit.

(17) Book-keeping, ½ unit.

(18) Domestic Science, 1 or 2 units.

(19) Drawing, ½ or 1 unit.

(20) Manual Training, ½ or 1 unit.

(21) Stenography and Typewriting, 1 unit.

CONCERNING ENTRANCE REQUIREMENTS

1. For full admission to the College of Arts and the Engineering Department of the University, fourteen units of entrance credits will be required. Until the high schools of the state are somewhat better developed, and until further notice is given, students may be admitted with a condition of two units; but such conditions must be removed within two years after admission.

2. While all students are urged to present at least three units in some foreign language, the foreign language requirement, as contemplated, will not be enforced until further notice is given. The postponement of the enforcement of the foreign language requirement is made in deference to requests from affiliated high schools, and in order to give the schools more time for the development of their foreign language courses.

3. Applicants for admission to the University who are graduates of affiliated schools, will be credited with the subjects in which the schools are affiliated and which have been completed, and will be required to pass examinations in such subjects, if any, as may be required to make at least 12 units.

GROUPS OF AFFILIATED SCHOOLS

Affiliated schools shall be divided into three groups:

1. The first group shall include schools affiliated in at least 14 units.

2. The second group shall include schools affiliated in at least 11 units. Graduates from schools of this group must present 11 units or lose the advantage of affiliation.

3. The third group shall include schools affiliated in at least 8 units.

4. The affiliation of each school admitted into the third group may continue for a period of three years, and, if at the expiration of that time it has not secured sufficient additional units to raise it to the second group, it may continue in the third group for three years more by passing through the steps required for original affiliation.

LIST OF AFFILIATED SCHOOLS

(Revised to Feb. 1, 1910.)

A..... Agriculture.	L..... Latin.
B..... Botany.	M..... Mathematics.
B'k'g..... Bookkeeping.	M. T..... Manual Training.
C..... Chemistry.	P..... Physics.
Civ..... Civics.	Ph..... Physiography.
D..... Drawing.	P. and H..... Physiology and Hygiene.
D. S..... Domestic Science.	S..... Spanish.
E..... English	S. G..... Solid Geometry.
F..... French.	S. and T..... Stenography and Typewriting.
G..... German.	T..... Trigonometry.
Gr..... Greek.	Z..... Zoology.
H..... History.	

(Abbreviations represent the minimum numbers of units allowed in the several subjects, e. g., E=English, 3 units; figures, in parentheses, follow abbreviations when schools have more than the minimum number of units in any subject, e. g., H. (3)=History, 3 units.)

GROUP I

(Schools in this group have at least fourteen units of credit.)

Name. Extent of Affiliation.

Abilene High School, Abilene..E., H.($2\frac{1}{2}$), M., L., P., Ph., Civ., S. G.
Superintendent, J. H. Burnett, B. A.; Principal, B. E. Looney, B. A.

Academy of Our Lady of the Lake, San Antonio.....
.....E., H. ($2\frac{1}{2}$), M., G. (3), P., Ph., P. and H., Civ.
Superintendent, Fr. H. J. Constantineau, O. M. I.

Alexander Collegiate Institute, Jacksonville .E., H., M., L. (4), G.
Principal, F. E. Butler, M. A.

Allen Academy, Bryan.....E., H. (4), M., L., G., S. G., T.
Principals, J. H. Allen, R. O. Allen, H. W. South.

Name. Extent of Affiliation.

Alice High School, Alice.....E., H. (2½), M., L., S., Civ., P.
Superintendent, H. N. Stamper; Principal, J. E. Evans.

Amarillo High School, Amarillo.....E., H., M., L., S., G.
Superintendent, G. L. Wren.

Austin High School, Austin.....E., H. (2½), M., L. (4), G. (3), S. (3), B., P., Ph., C., Z., Civ., M. T. (1), S. G., T., D. (1).
Superintendent, Arthur N. McCallum, B. A.; Principal, J. E. Pearce, M. A.

Austin Male Academy, Austin.....
.....E., H. (4), M., L., G. (3), (S.) (3), S. G., T., Civ.
Principal, J. Stanley Ford, B. A., M. A.

Ball High School, Galveston.....
E., H. (3), M., L., Gr. (3), F. (3), G. (3), S. (3), C., P., Ph., T.
Superintendent, John W. Hopkins, M. A.; Principal W. A. James, B. A., M. A.

Beaumont High School, Beaumont.....E., H. (2½), M., L. (4), G. (3), F. (3), S. (3), C., P., B., S. G., Civ.
Superintendent, H. F. Triplett, B. S., M. S.; Principal, J. G. Fuqua, B. A.

Belton High School, Belton.....
....E., H. (2½), M., L., S. (3), P., B., Ph., Civ., M. T., S. G., D.
Superintendent, James B. Hubbard; Principal, L. H. Hubbard, B. Lit.

Big Springs High School, Big Springs.....
.....E., H. (2½), M., L., P., Civ., S. G., Ph.
Superintendent, A. D. Ellis, B. Lit.; Principal, J. E. King, B. A.

Blinn Memorial College, Brenham.....
.....E., H. (2½), M., G. (3), C., P., Ph., P. and H., Civ.
President, J. L. Neu, B. A.

Bonham High School, Bonham, E., H., M., L., G., B., P., C., Ph., S. G.
Superintendent, I. W. Evans; Principal, R. C. Campbell, B. S.

Bowie High School, Bowie.....
.....E., H. (2½), M., L. (4), P., Ph., P. and H., Civ., S. G., T.
Superintendent, G. L. Marshall, B. A.; Principal, H. C. Bishop, B. A.

Name. Extent of Affiliation.

Brenham High School, Brenham.....
.....E., H. (3½), M., L., G., P., S. G., T., Civ.
Superintendent, Peyton Irving, Jr., B. A.; Principal,
H. E. Breneke, B. A.

Caldwell High School, Caldwell.....E., H., M., L., G., T., Civ.
Superintendent, J. M. Smith; Principal, Miss L. H. Smith.

Calvert High School, Calvert....E., H. (3), M., L., P., C., S., G., T.
Superintendent, I. N. Stephens, LL. B., Principal,
Miss Glennie Wilson, B. Lit.

Cameron High School, Cameron.....
.....E., H. (2½), M., L., G., C., P., Ph., P. and H., Civ., S. G.
Superintendent, J. E. Watts, B. A.; Principal,
L. A. Koenig.

Cleburne High School, Cleburne.....
.....E., H. (4), M., L., C., P., B., Ph., P. and H., S. G., T.
Superintendent, R. G. Hall, B. A.; Principal,
Emmett Brown, B. A.

Colorado High School, Colorado.....E., H., M., L., G., P.
Superintendent, C. L. McDonald, Ph. B.; Principal,
Frank H. Newlee, B. A.

Comanche High School, Comanche.....
.....E., H. (2½), M., L., P., Ph., P. and H., Civ., S. G.
Superintendent, M. K. Witt; Principal, C. G. Cates.

Coronal Institute, San Marcos.....E., H., M., L., S., G., C., T.
President, Rev. Sterling Fisher.

Corsicana High School, Corsicana.....
....E., H. (3), M., L. (4), G. (3), F., C., P., T., Ph., Civ., S. G.
Superintendent, J. E. Blair, B. A.; Principal,
S. W. Alexander, B. A.

Corpus Christi High School, Corpus Christi.....
.....E., H. (3), M., S. (3), P., C., Civ., S. G., T.
Superintendent, C. W. Crossley; Principal, M. Menger.

Dallas High School, Dallas.....E., H.
(2½), M., L., G., C., P. and H., S. G., M. T. (1), T., D. (1).
Superintendent, Arthur Lefevre, C. E.; Principal,
Joseph Morgan, B. A.

Name. Extent of Affiliation.

Denison High School, Denison.....
.....E., H. (3), M., L., G. (3), F., C., P., B., T., S. G.
Superintendent, F. B. Hughes, B. S.; Principal,
O. A. Maxwell, B. S.

Denton High School, Denton.....
...E., H., (3½), M., L., B., C., P., Ph., P. and H., Civ., S. G., T.
Superintendent, J. S. Carlisle.

El Paso High School, El Paso.....
E. (4), H. (4), M., L. (4), S. (3), C., P., Ph., P. and H., T., S. G.
Superintendent, F. M. Martin, B. A.; Principal,
Norman R. Crozier, B. A.

Ennis High School, Ennis.....E., H. (2½), M., L., G., C., Civ., S. G.
Superintendent, J. D. Coghlan; Principal, E. G. Grafton.

Fort Worth High School, Fort Worth.....
.....E., H. (2½), M., L., G., S., C., Civ., M. T., T., S. G., D.
Superintendent, J. W. Cantwell, M. A.; Principal,
R. L. Paschal, B. A.

Gainesville High School, Gainesville.....
.....E., H., M., L., G., S., C., P., S. G.
Superintendent, E. F. Comegys, M. A.; Principal,
J. P. Glasgow, M. A.

Gatesville High School, Gatesville.....E., H. (3½), M., L., P., Civ.
Superintendent, George W. Harris, M. Lit.; Principal,
Paul Kayser, Ph. B.

Giddings High School, Giddings.....E., H. (3), M., L., G. (3).
Superintendent, T. P. Walker.

Greenville High School, Greenville.....
.....E., H. (3½), M., L., P., C., P. and H., Civ.
Superintendent, L. C. Gee, M. A.; Principal, H. O. McCain, B. S.

Henrietta High School, Henrietta..E., H. (2½), M., L., G., P., S. G.
Superintendent, J. L. Gragg; Principal, Miss Alice Mason.

Hico High School, Hico.....E., H. (3), M., L., C., P., Civ.
Superintendent, W. E. Edelen, M. A.; Principal, J. B. Ford, B. A.

Hillsboro High School, Hillsboro.....
.....E., H., M., L., G., P., Ph., Civ., S. G.
Superintendent, T. D. Brooks, B. A.; Principal, R. W. Rogers, B. S.

Name. Extent of Affiliation.

Honey Grove High School, Honey Grove.....
.....E., H. (2½), M., L., G., P., C., S. G., T., Civ.
Superintendent, W. L. Willis; Principal, S. R. Terry.

Houston High School, Houston.....E., H.(2½),
....M., L., G. (3), S. (3), B., C., P., P. and H., M. T., S. G., D.
Superintendent, P. W. Horne, M. A.; Principal,
W. C. Smiley, B. A.

Houston Heights High School, Houston Heights.....
.....E., H. (2½), M., L., G., Civ.
Superintendent, A. H. Russell; Principal,
L. W. Greathouse, B. S.

Hubbard High School, Hubbard.....
.....E., H. (2½), M., L., P., Ph., P. and H., Civ.
Superintendent, T. H. Shelby, B. A.; Principal,
F. H. Newton, B. A.

John C. French High School, Cuero.....
....E., H. (2½), M., L., G. (3), S. G., M. T., P., Ph., T., Civ., D.
Superintendent, W. S. Fleming, B. A.; Principal,
M. V. Peterson, B. S.

Kelley School, Austin.....E., H. (3), M., L., G., S., Ph.
Principal, Miss M. E. Kelley.

Lampasas High School, Lampasas.....E., H. (3½), M., L., P., Civ.
Superintendent, G. D. Scott; Principal, L. C. Proctor, M. A.

Lockhart High School, Lockhart..E., H. (2½), M., L., S., P., C., Civ.
Superintendent, James F. Johnson, B. S.; Principal,
Joseph Hatchitt.

Marlin High School, Marlin.....
.....E., H. (4), M., L. (4), P., Ph., M. T., S. G., D.
Superintendent, W. F. Doughty, B. A.

Marshall High School, Marshall.....
.....E., H. (2½), M., L., C., P., S. G., P. and H., Civ., T.
Superintendent, W. H. Attebery, B. A.; Principal,
R. A. Smith, B. A.

Mansfield Academy, Mansfield....E., H., M., G. (3), S. G., T., P., C.
Superintendent, R. W. Fowler, B. A.

Name. Extent of Affiliation.

McKinney High School, McKinney.....
.....E., H. (2½), M., L., P., Ph., P. and H., Civ., S. G.
Superintendent, J. H. Hill; Principal, F. G. Jones, B. A.

Mexia High School, Mexia.....E., H. (3), M., L., G., C., P., S. G.
Superintendent, E. B. Stover, B. A.; Principal,
A. G. Koenig, B. A.

Mineral Wells High School, Mineral Wells.....
.....E., H. (3), M., L., P., Ph., T.
Superintendent, E. O. McNew; Principal, Miss Jennie Ritchie.

Mineola High School, Mineola.....
.....E., H. (3), M., L. (4), Gr. (3), S. G., T.
Superintendent, B. A. Stafford, M. A.

Mulholland School, San Antonio.....E., H., M., L. (4), F. (3).
Principal, Mrs. J. Tom Williams.

Nacogdoches High School, Nacogdoches.....
.....E., H. (2½), M., L., G. (3), Civ.
Superintendent, R. F. Davis; Principal, J. K. McIntosh.

Navasota High School, Navasota.....
.....E., H. (2½), M., L., P., C., G., S. G., Ph.
Superintendent, W. B. Bizzell, B. S.; Principal, C. M. Porter.

Palestine High School, Palestine.....E., H., M., L., G. (3), P., Ph.
Superintendent, Walker King; Principal, R. C. T. Jacobs.

Paris High School, Paris.....E., H., M., L., G., S.
Superintendent, J. G. Wooten.

Port Arthur High School, Port Arthur.....
.....E., H. (2½), M., P., B., L., Civ.
Superintendent, J. H. Bright, B. A.; Principal, Alvin Dille.

San Angelo High School, San Angelo.....
.....E., H. (3), M., L., P., C., S. G.
Superintendent, F. E. Smith, M. S.; Principal, H. O. Jones, B. S.

San Antonio High School, San Antonio.....E., H. (2½), M.,
..L., G. (3), S. (3), F. B., P., Ph., C., Civ., M. T., T., S. G., D.
Superintendent, Charles J. Lukin; Principal,
W. D. Williams, B. S.

San Antonio Academy, San Antonio.....
.....E., H. (2½), M., L., S., G., S. G., T., Civ., P.
Principal, W. W. Bondurant, M. A.

Name. Extent of Affiliation.

Sherman High School, Sherman.....
.....E., H. (2½), M., L., B., P., C., D., M. T., Ph.
Superintendent, J. C. Pyle, B. Lit.; Principal,
S. W. Dirickson, B. S.

Sweetwater High School, Sweetwater.....E., H., M., L., S., P., Ph.
Superintendent, M. B. Johnson; Principal, T. P. Martin.

Taylor High School, Taylor..E., H., M., L., G., P., Ph., M. T., Civ., D.
Superintendent, John F. O'Shea; Principal, C. P. Balsh, B. A.

Temple High School, Temple.....
.....E., H. (2½), M., L., G. (3), C., P., Ph., Civ., S. G., T.
Superintendent, J. F. Kimball, M. A.; Principal,
W. W. Clement, B. A.

Texarkana High School, Texarkana.....E., H. (4), M., L., P.
Superintendent, W. Y. Thornbury, B. S.; Principal,
R. P. Bowen, B. A.

The Terrill School, Dallas....E., H., M., L., F., G., P., C., S. G., T.
Principal, M. B. Terrill, M. A.

Thomas Arnold High School, Salado.....
.....E., H. (2½), M., L., Gr., P., P. and H., S. G., Civ.
Principal, S. J. Jones, Ph. D.

Tyler High School, Tyler....E., H. (3), M., L., P., C., Ph., S. G., T.
Superintendent, W. T. Adams; Principal, S. E. Gideon.

University Preparatory School, Austin..E., H. (3), M., L., G. (3), F.
Principal, Miss Lillian Carrington, B. Lit.

Uvalde High School, Uvalde.....E., H., M., L., S. (3), P., S. G.
Superintendent, A. W. Evans, B. A.; Principal, O. A. Gardner.

Victoria High School, Victoria.....E., H. (3), M., L., B., P., C., Ph.
Superintendent, A. B. Cox, B. A.

Waco High School, Waco.....E.,
H. (2½), M., L. (4), C., P., Ph., P. and H., S. G., Civ., D., M. T.
Superintendent, J. C. Lattimore, C. E., M. S.; Principal,
E. T. Genheimer, Ph. B.

Waxahachie High School, Waxahachie.....
.....E., H., M., L., C., P., Ph., Civ., S. G.
Superintendent, Walter Acker, B. A.; Principal,
E. D. Criddle, B. A.

Name. Extent of Affiliation.

Weatherford High School, Weatherford.....
.....E., H. (2½), M., L., G., P., C., Civ.
Superintendent, T. W. Stanley; Principal, W. O. Dewees.

Whitis School, Austin..E., H. (3), M., L., G., F., S., Ph., S. G., Civ.
Principal, Miss Mary Whitis.

Wichita Falls High School, Wichita Falls.....
.....E., H. (4), M., L. (4), P., B., C., Ph., S. G.
Superintendent, T. L. Toland, B. Lit., B. A.;
Principal, J. B. Jones.

GROUP II

(Schools in this group have at least eleven units of credit.)

Abbott High School, San Angelo.....E., H., M., L.
Principal, Mrs. Jessie Montgomery Abbott.

Belton Academy, Belton.....E., H., M., L.
Principal, C. H. Wedemeyer, M. A.

Brady High School, Brady.....E., H. (3), M., L.
Superintendent, M. L. Stallings; Principal, W. B. Gibson.

Ballinger High School, Ballinger.....E., H., M., L., P., S. G., Civ.
Superintendent, S. M. Byrd, Ph. B.

Burnet High School, Burnet.....E., H. (2½), M., L., Civ.
Superintendent, M. B. Brown, B. Lit.

Bryan High School, Bryan.....E., H. (4), M., L.
Superintendent, W. C. Lawson, B. A.; Principal,
A. B. Kinnard, B. A.

Brownwood High School, Brownwood....E., H., M., L., P., Ph., Civ.
Superintendent, George H. Carpenter, Ph. B.; Principal,
Thomas H. Hart, B. A.

Coleman High School, Coleman.....E., H. (3), M., L., P.
Superintendent, J. E. Hickman.

Crockett High School, Crockett.....E., H. (2½), M., L., Civ.
Superintendent, B. E. Satterfield, B. A.; Principal,
L. R. Meadows, B. A.

Dublin High School, Dublin.....E., H., M., L., P.
Superintendent, J. W. Dunlap; Principal, J. E. Nelson, B. A.

Garland High School, Garland.....E., H., M., L., P.
Superintendent, Thomas W. Platt.

Name. Extent of Affiliation.

Gonzales High School, Gonzales.....E., H., M., L., P., Ph., Civ.
Superintendent, Miss Rozelle Nicholson, B. A.

Henderson High School, Henderson..E., H., M., P., C., S. G., T., Civ.
Superintendent, P. B. Bittle, B. S.; Principal, H. W. Alexander.

Itasca High School, Itasca.....E., H., M., L., P.
Superintendent, C. P. Hudson, B. S.

Kaufman High School, Kaufman.....E., H., M., L., M. T., Civ., D.
Superintendent, O. P. Norman; Principal, H. E. Blythe.

Ladonia High School, Ladonia.....E., H., M., L.
Superintendent, R. M. Parker, B. S.; Principal,
J. M. Bledsoe, B. S.

La Grange High School, La Grange..E., H., M., G. (3), P., P. and H.
Superintendent, W. J. Kirk; Principal, A. J. Dippel.

Llano High School, Llano.....E., H. (2½), M., L., P., Ph., Civ.
Superintendent, J. G. Toland, B. S.

Longview High School, Longview.....E., H., M., L., Civ.
Superintendent, S. J. Blocker, C. E., M. A.; Principal,
B. F. Williams.

Marshall Training School, San Antonio....E., H., M., L., Gr., S. G.
Principal, N. J. Marshall, B. A.

McGregor High School, McGregor.....E., H. (2½), M., L., P., Civ.
Superintendent, H. P. Walker, B. S.; Principal,
L. W. Rogers, B. A.

North Fort Worth High School, North Fort Worth.....
.....E., H., M., P., C., Civ., S. G., T.
Superintendent, J. W. Cantwell, M. A.; Principal, M. H. Moore.

Orange High School, Orange.....E., H., M., L.
Superintendent, J. E. Binkley.

Pilot Point High School, Pilot Point.....E., H., M., L., P., B.
Superintendent, A. B. Weisner, B. A.; Principal,
Miss Edith Cotchett, B. A.

Plano High School, Plano....E., H. (2½), M., L., P., P. and H., Civ.
Superintendent, C. F. Walker, B. S.; Principal,
S. M. Lloyd, B. A.

Quanah High School, Quanah.....E., H., M., L., Civ., S. G.
Superintendent, J. W. O'Banion; Principal, C. E. Ferguson, B. A.

Name. Extent of Affiliation.

Seguin High School, Seguin.....E., H. (3), M., G. (3).
Superintendent, R E. L. Adams; Principal, J. F. Saegert, B. A.

Seymour High School, Seymour.....E., H., M., L.
Superintendent, G. P. Tarrant, M. A.; Principal,
M. P. Rogers, B. S.

Saint Mary's Academy, Austin.....E., H., M., G. (3), C., P., S. G.
Superintendent, Sister M. Cicily.

Sulphur Springs High School, Sulphur Springs.....
.....E., H. (2½), M., L., C., S. G., Civ.
Superintendent, F. V. Garrison, B. S.; Principal,
T. E. Ferguson, B. A.

Texas Female Seminary, Weatherford.....E., H., M., L., G., Civ.
Principal, Mrs. George M. Oakley, M. A.

Terrell High School, Terrell.....E., H., M., L., P., S. G., Civ.
Superintendent, S. M. N. Marrs, B. S.; Principal,
J. S. Bagwell, B. A.

Tivy High School, Kerrville.....E., H., M., L., P.
Superintendent, H. W. Morelock, B. A.; Principal,
Wm. Dietel, B. A.

Van Alstyne High School, Van Alstyne..E., H. (2½), M., L., P., Civ.
Superintendent, W. F. Barnett; Principal, R. E. Bentley.

Vernon High School, Vernon.....E., H. (2½,) M., L., P., Civ., T.
Superintendent, B. F. Holcomb, B. A.; Principal,
B. F. Dinsmore, B. A.

West Texas Military Academy, San Antonio.....
.....E., H., M., L., G., S. G., T., P.
Principal, Angus McD. Crawford, M. A.

Whitewright High School, Whitewright.....E., H., M., L., P.
Superintendent, G. W. Austin.

Wolfe City High School, Wolfe City.....
.....E., H. (2½), M., L., Civ., S. G.
Superintendent, E. F. King.

GROUP III

(Schools in this group have at least eight units of credit.)

Barnett School, Houston.....E., H. (3), M.
Principal, W. W. Barnett, B. S.

Name.	Extent of Affiliation.
Bastrop High School, Bastrop	E., H., M.
Superintendent, W. P. Arnold, Ph. D.	
Carlisle Military Academy, Arlington	E., H., M.
Principal, J. M. Carlisle, B. A., LL. D.	
Center High School, Center	E., H. (3), M., T., S. G., Civ.
Superintendent, M. M. Dupre, B. S., C. E.	
Elgin High School, Elgin	E., H. (2½), M., Civ.
Superintendent, Buckner Harris.	
Institute for the Blind, Austin	E., H., M.
Superintendent, J. H. Gillespie.	
Italy High School, Italy	E., H., M.
Superintendent, W. R. Marrs, B. A.	
Laredo High School, Laredo	E., H., M., S.
Superintendent, L. J. Christen.	
Midland High School, Midland	E., H., M.
Superintendent, W. W. Lackey; Principal, J. F. Kemp, B. A.	
Rockdale High School, Rockdale	E., H., M., P., Civ., S. G.
Superintendent, Charles G. Green.	
San Marcos High School, San Marcos	E., H., M.
Superintendent, G. M. Sims, B. S.	
Smithville High School, Smithville	E., H. (2½), M., P., Ph., Civ.
Superintendent, J. N. Bigbee, B. A.; Principal, J. K. Barry, B. S.	
Speer's School, Lancaster	E., H., M.
Principal, A. C. Speer.	
State Orphan Home, Corsicana	E., H., M.
Principal, Miss Minnie L. Maffett.	
Timpson High School, Timpson	E., H. (3), M., S. G., T.
Superintendent, J. B. Ramsey.	
Troupe High School, Troupe	E., H., M., S. G., T.
Superintendent, A. W. Birdwell.	
Wesley College, Terrell	E., H. (3), M.
Superintendent, J. J. Morgan, M. A., B. D.	
Yoakum High School, Yoakum	E., H., M., P.
Superintendent, C. A. Peterson, B. S.; Principal, H. K. Williams, B. S.	

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